2024

PRODUCT CATALOGUE

Kalekim

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About Kale Group

With industrial heritage and entrepreneurship, Kale Group is a reputable group of companies that are leaders in their fields who respect people and the environment, and add sustainable value to the society.

Founded in 1957 as Çanakkale Seramik Fabrikaları A.Ş. by Dr. (h.c.) Ibrahim Bodur, Kale Group broadened its industrial journey that started with the production of ceramics to include building chemicals, logistics, and aerospace over time. Today, Kale Group has 18 companies, all leaders in their fields, and over 5,000 employees operating in various regions in Turkey.

Europe's sixth and the world's 17th biggest manufacturer of building materials, Kale Group ranks among the top five building chemicals producers in Europe. Kale Group boasts a large domestic and international market share, offering its products in more than 400 points of sale in 100 countries.

Joining the aerospace industry in 1987, Kale Group currently has five companies operating in this field. As a Tier 1 supplier to some of the world's leading defence and aerospace companies including Lockheed Martin, Boeing and Airbus, Kale Group is also a main stakeholder in many of Turkey's defence and aerospace projects. A leader with its industrial legacy and entrepreneurship, Kale Group continues its economic and social activities as a reputable group of companies that upholds respect to people and the environment above all, adding sustainable value to society.

To make Kale Group's contributions to society last, the Dr. (h.c.) Ibrahim Bodur Kaleseramik Education, Health and Social Welfare Foundation was established in 1991 and continues to operate in the fields of education and employment. In line with its vision that has design, technology and people at its heart, Kale Group also pursues a mission to support art and artists, primarily focusing on ceramics. To this end, Kale Group engages in authentic, creative and inspiring projects to support individuals and communities that have a keen interest in these fields.

KSV (Kaleseramik Foundation)

We contribute to the goals of sustainable development through various social responsibility activities in the realms of education and employment.

In light of a philosophy that focuses on humanity and the development of society, Kale Group approaches all environmental and social matters from a social responsibility point of view. We launch a wide range of projects in different areas and support those who do stuff for the good of society.

The Ibrahim Bodur Social Entrepreneurship Program

Considering the scale of the social issues we're up against today, the need for new business models to ensure inclusive and sustainable development, and for alternative solutions that focus on social benefit is greater than ever. Setting off with the Ibrahim Bodur Social Enterprise Award in 2017, Kale Group supports social entrepreneurs who say "life's worth living" and take action for a better future. Candidates who qualify are assessed in terms of existing and potential social impact, financial sustainability, competence, and reliability. Those who succeed in winning then earn financial support from Kale Group.

For more details visit:
https://www.ibrahimboduroduleri.com/

Vocational Training Courses

Since 1991, Kaleseramik Vakfi has been running vocational training and development courses in ceramic floor/wall tiling throughout Türkiye, to provide the country's construction sector with skilled workers and teach unemployed youth a trade. They do so under a cooperation protocol they signed with the Turkish Ministry of Education's Vocational Education Directorate the same year they launched the program. Originally, they were prompted how much the country's construction sector lacked qualified skilled laborers. Students who successfully complete the program are given an official diploma approved by the Ministry of Education. To date, 5,041 youngsters have found jobs through the Kale Group's 254 training courses across Türkiye. Likewise, an additional 218 development and skills' upgrade courses have introduced Türkiye's construction industry to 4,378 qualified specialists to boot.

Scholarships

Kaleseramik Vakfi also has been running a scholarship program for several decades that, to date, has helped 1,064 successful – mainly university – students in need. Moreover, in addition to financial support, they also are mentored by Kale Group managers and are given priority when it comes to work and internship opportunities. Kaleseramik Vakfi also runs regular idea and project camps aimed at teaching students on scholarships the skills they need to function in the 21st century, meanwhile granting them the chance to meet Kale Group executives too. A new scholarship development program was also launched last year (2023) to help youngsters hone their interpersonal and professional skills, and give them financial support. They get mentored, invited to workshops and training seminars, and taken to meet-ups alongside on technical field trips, thus opening their worlds' up to new points of view. Later on, once they launch into their careers, they then give back to the foundation by supporting new scholarship winners.

Transformation in Schools is my First Duty

In 2009, Kaleseramik Vakfi launched "Transformation in Schools is my First Duty" a social responsibility project. Since then, their many vocational training programs have transformed thousands of unemployed youth into career owners. The project runs internships for students of the ceramic floor/wall tile program (which has several chapters across Türkiye) to go out to repair rural schools throughout Anatolia. In doing so, scholarship winners get their first jobs within a social responsibility program, and village-based primary schools get hygienic makeovers.

Social Responsibility

We are safeguarding the future with our social benefit projects.

Kale Group: A Vision of Adding Value to Society

Kale Group takes a production and growth-oriented approach to the way they do business, and aims to develop itself by sharing its values with the rest of [Turkish] society. In line with this vision, they've been running the Ibrahim Bodur Entrepreneurship Program since 2017 to support social entrepreneurs – originally was launched to keep the values of the late Ibrahim Bodur (the founder of Kale Group) alive. Kale Group's social entrepreneurship culture takes solidarity to heart. As such, they are taking new steps to come up with sustainable solutions to the societal problems that have arisen since Türkiye's 2023 earthquake. For example, they've launched a community support program – the first ever of its kind in Türkiye. It offers grants to entrepreneurs already enrolled in the said award program.

Ibrahim Bodur Social Entrepreneurship Program: 7 Years in Pursuit of Social Benefit

For the past 7 years, the Ibrahim Bodur Social Entrepreneurship Program has been bringing together social entrepreneurs from all over Türkiye who've adopted social benefit as their core principle and are doing great and courageous things with it. It has created an ecosystem that encourages entrepreneurs to look after and have a positive impact on the world and the environment. Over time, it has gradually become a magnet for individuals and institutions who feel that they must take responsibility for the [Turkish] public at large.

The program is growing by leaps and bounds with each passing year, and gradually laying the foundations for a better society. Moreover, it has succeeded in reaching out to a wide group of people by expanding its criteria and categories. Part of this includes the addition of a new "Life's Worth Living" program, signifying that things are starting to mature.

The Ibrahim Bodur Social Entrepreneurship Program also takes some other new steps to keep the memory of Ibrahim Bodur alive and carry his values into the future. This past December, we at Kale Group decided to combine gthat program and "the Meeting for Worth's Living". We feel doing so will allow our ecosystem community to flourish even further, and that we'll be able to create a more livable world with the strength, perseverance, and courage we all give one another. From this point forward, the program shall move decisively towards cultivating an ecosystem focused on future social benefits.

For more details visit:
https://www.ibrahimboduroduller.com/

Kale Group: A Story of Leadership and Innovation Over a 50-Year Journey

Kale Group is a well-established group of 18 companies and over 5,000 employees, with branches in construction materials and chemicals production, logistics, and aviation. The Group was founded by Dr. Ibrahim Bodur, an industrialist, in 1957. They are the fifth largest manufacturer of construction products in Europe and the eighteenth largest in the world, as well as Türkiye's number one leader when it comes to construction chemicals. Such achievements have turned them into a local and international household name.

The secret to their sustainable success over the past 50 years lies in their making top quality and innovative products. They've engaged in several successful collaborations, opened multiple factories across Türkiye, and earned countless awards and certifications that have allowed them to shine in their sector and beyond. Awaiting you in this catalog is the story behind their corporate development and excellence journey, alongside a full list of their many achievements.

We've adopted a take care of the earth" approach –under the leadership of Kale Group – for underlining awareness in an era when all issues and inequalities deeply damage everybody on Earth. Through that, we aim to initiate a chain of minor changes in our own realm in the name of spurring a meaningful transformation that shapes the future and improves people's lives in general.

We shall start with ourselves, and our own habits and homes. We want to make a difference in everyone's personal sphere of influence, at work, on the street, in the neighborhood, city, country, and ultimately the entire globe. Our motto is simple: "Our home's our world; our world's our home..."

Kale

#CareForYourWorld

About Kalekim

Among 80 countries.
Always the best.

Kalekim Factories

• Istanbul • Balıkesir • Isparta • Mersin • Yozgat • Erzurum • Mardin
• Kenya

• Afghanistan • Albania • Algeria • Australia • Azerbaijan • Bahrain • Barbados • Belarus • Belgium • Benin
• Bulgaria • Burkina Faso • Cameroon • Canada • Cayman Islands • Congo • Denmark • Djibouti • Equatorial Guinea
• Ethiopia • France • Gabon • Gambia • Georgia • Germany • Ghana • Greece • Guinea • India • Iraq
• Ireland • Jordan • Kazakhstan • Kenya • Kosovo • Kuwait • Kyrgyzstan • Lebanon • Liberia • Libya • Macedonia
• Madagascar • Malta • Mauritania • Moldova • Montenegro • Morocco • Netherlands • Niger • Nigeria • Oman
• P.R. China • Pakistan • Palastine • Panama • Qatar • Réunion • Romania • Russia • Rwanda • Saudi Arabia
• Serbia • Sierra Leone • Slovakia • South Africa • Sweden • Switzerland • Taiwan • Tajikistan • Tanzania • Tunisia
• Turkish Republic of Northern Cyprus • Turkmenistan • Uganda • Ukraine • United Arab Emirates • United Kingdom
• United States of America • Uzbekistan • Yemen

Kalekim Chemicals Co. Inc.

A journey of half a century
Kalekim was founded in 1973 by Ibrahim Bodur, a major figure in the realm of Turkish industry. With roots in ceramic adhesives and joint fillers, today they are Türkiye's biggest name in the construction chemicals sector. Three things make them stand out: innovative production technology, strong R&D structure, and a strong presence in the international market. Their success story reflects over half a century of industry firsts and innovations. They export to 80 countries, and continue to shape the future, just like they have the past.

Continuously improved technology and R&D investments
Thanks to the huge investments it makes in production technology and R&D, Kalekim produces top quality products conforming to international standards. In this respect, it is a major force in Turkey and in the global industry.

International quality and durability
Kalekim products are produced under ISO 9001 Quality Management System, conforming to Turkish and European Standards and maintain their quality from the moment of production through application and for many years later.

High production capacity and product variety
Tile adhesives, grouting mortars, waterproofing and thermal insulation materials, putties, sealants, surface preparation materials, tile cleaning and maintenance materials, flooring applications, interior and exterior paints, and decorative coatings are among the gamut of products served by Kalekim, which has the capacity to produce 1,000,000 tons of construction chemicals, 180,000 tons of concrete admixtures and 50,000 tons of paints and coatings annually. Kalekim has production facilities in İstanbul, Isparta, Mersin (2 tesis), Yozgat, Mardin, Erzurum, Balıkesir (2 tesis), İzmir (Kalekim Lyksor) in Turkey, as well as in Kenya.

In Turkey; Kalekim, which has sales offices in Istanbul, Bursa, Izmir, Ankara, Antalya, Trabzon, Adana and Diyarbakir, has established logistics warehouses in Russia, France and Romania in order to ensure rapid adaptation to the market and customer satisfaction. Thus, Kalekim also provides employment opportunities in these countries.

Kalekim R&D

Sector leader and technology pioneer.

Kalekim has been the market leader in the construction chemicals sector by a clear margin since 1973 and retains this title through its R&D investments. The goal of all new technologies and investments is to make consumer lives easier and contribute to savings and the economy.

With 50 years of experience, Kalekim's R&D today works to develop and improve an already broad gamut of products such as tile applications, waterproofing, thermal insulation, flooring systems, paint, plaster, and surface preparation materials.

Equipped with the latest technological instruments, "Kalekim Applied Research Laboratories" work on projects jointly with public institutions and universities. All the tests carried out at this technology base conform to European Standards that guarantee quality and customer satisfaction.

Kalekim adhesives retain their definition and features even after many years.

Through the proprietary technology developed by Kalekim, the adhesive underneath the ceramic retains its definition many years after application. Thanks to a special raw materials added during the production of tile adhesives, examinations of samples taken from products many years later show that this technology, which ensures product and brand-name recognition, is the first of its kind in the sector.

Through its R&D work, Kalekim is an active participant in many national and international conferences discussing cement, dry mortar and paint.

Sustainability

Collaboration with Universities
We have "open days" for our university and high-school students who are our future, during which we tell them about our production processes, our approach to quality, the environment, workplace health and safety, and customer satisfaction, and about our R&D, product, and service designs. We also participate in career days at universities to add young talents to our team. Our leaders in STEM (Science, Technology, Engineering, and Mathematics) fields tell students about Kalekim's approaches in these areas so that young people can improve our country's technological infrastructure.

Kalekim Masters Club

Being Turkey's first and largest masters club with 45.000 professionals, the foundations of the Kalekim Masters Club were laid in 1973 when Kalekim A.Ş. was founded and ceramic tile professionals gathered under Kalekim's roof. The professionals' platform was reshaped with the outcomes of satisfaction questionnaires in 1996, and the Kalekim Masters Club was created in 2001. The Kalekim Masters Club continues to add a trained labour force to the sector by preparing education and development programs for its 60.000 members in Turkey, and more than 7,000 professionals abroad, and developing their business potentials. Through the "Adaptation Courses" that is organized in many of Turkey's provinces until 2015 and that were enriched with theoretic and practical trainings, Kalekim helped professionals receive the Ministry of Education Approved Official Course Completion Certificates .With the help of the Kaleseramik Foundation Economic Enterprise they have also received the "Vocational Qualification Certificate," which became mandatory in 2016.

Environmental Sustainability

We've collaborated on many projects with Kalekim. Among these include efforts to reduce our carbon footprint from our activities since 2015 by adhering to ISO 14064 standards. We plan to invest more money in renewable energy and water efficiency shortly as well to minimize our natural resource consumption and use them more wisely.

We're fully aware of the responsibility that comes with our position in our sector. In 2021, our 'Leave a Green Impression on Nature' project earned us our second Low Carbon Hero Award by the Sustainable Production and Consumption Association (SÜT-D), in the chemical industry category. Moreover, we're also proud holders of the Turkish Ministry of Environment, Urbanization and Climate Change's Zero Waste Certificate for all our factories and waste management projects. We couldn't have pulled it off were it not for our environmental policy and approach to sustainability.

Where the circular economy is concerned, we've also collaborated with the Electronic Waste Recycling Association (EAGD) to open up technology classes in 10 different schools. In doing so, our aims are to recover electronic waste generated by our all facilities and support education at the same time. We at Kalekim vow to keep moving forward and make the world better by putting people first.

For more details visit:
http://www.kalekim.com

Awards

Kalekim's "Guaranteed Professional System" was awarded by Game Changers Turkey

Kalekim's "Guaranteed Professional System" made it to the finals at the GameChangers Türkiye Awards, where Turkeys' most innovative and game-changing companies are selected and it won the first place in the "Impact" category. The first of its kind in the world, Kalekim's "Guaranteed Professional System" project launched a brand new era for consumers and professionals. The project was subject to two evaluation stages: In the first stage, the jury put Kalekim in the final and in the second stage Kalekim was top rated by popular vote.

Low Carbon Heroes Award

At 6th Istanbul Carbon Summit, Kalekim's "Useful Tracks in Shipping" won the Low Carbon Heroes Award with its climate change-resistant logistical success.

Kalekim Wins Turkey's Best Workplace Award for the Second Time

According to the results of the 2018 Aon Best Employers Survey, which is based on independent review, Kalekim is one of the organizations having the best working environment and best worker experience, and has twice been selected as one of Turkey's Best Workplaces by winning the title of "Aon Best Employer."

Fairs

Kalekim introduces its wide product range and services to professionals at trade fairs all around the world.


BAU - 2019 / Munich


Batimat - 2019 / Paris


Yugbuild - 2022 / Krasnodar


Batimat - 2022 / Paris


Construct Iraq - 2023 / Erbil


Mosbuild - 2023 / Moscow

Kalekim Becomes Turkey's Most Excellent

The 2019 Turkey Excellence Awards, regarded as Turkey's most prestigious awards, have been announced. Organized by the Turkey Quality Association (KalDer) with this year's theme being "Fix the Basics," the 28th Quality Congress granted construction chemicals sector leader Kalekim the 2019 Turkey Excellence Award.


EFQM Awards - 2019
Kalekim

Protection is in its Chemistry!

Impermeability, trust, comfort!

Waterproofing Applications

Products

İzostop
İzostop Rapid
İzoseal
İzoseal 2K
İzoseal 2K+
İzolatex
İzolatex Plus
İzolatex UV
İzolatex 1K
Ultralastic
Durex
Profesyonel Durex
Elastiser
Elastikor
Elasticool
İzoline Astar
İzoblok 1K
İzoblok 2K+
Profesyonel 2K
Profesyonel 2K+
İzopur P
İzopur
İzopur C
İzopur Trans P
İzopur Trans
Kalekim Waterproofing Tape
Kalekim Dilatation Tape
İzoline 100
İzoswell

Waterproofing Applications

3001 İzostop
Plug Mortar

Waterproofing, rapid setting cement based plug mortar containing mineral fillers which can be applied in powder and mortar form to stop active water leaks.

Fields of Application
- To plug and dry the water leakages in foundations, basements, concrete walls of water tanks and concrete pipes, tunnels, reservoirs, etc. before the application of waterproofing materials.
- Repairing and waterproofing of cable and pipe holes.
- Repairing and waterproofing of tie rod holes.
- Used for internal waterproofing of basement floors with Kalekim İzoseal.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 5 kg plastic pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 0.18 lt water / 1 kg powder
Pot Life: 1 min
Ready to Use: 2 min
Consumption: 2 kg for a hole having a volume about 1 lt volume.

Performance Data (23°C and 50% RH)
Flexural Strength (EN 12190): ≥ 3 N/mm²
Compression Strength (EN 12190): ≥ 20 N/mm²
Shrinkage (EN 12617-4): Max. 2% mm/m

3005 İzostop Rapid
Very Fast Setting Plug Mortar

Waterproof, very fast setting in contact with water, composed of mineral fillings and cement based plug mortar used for sealing and repairing of water leakages.

Fields of Application
- To plug and stop the water leakages in foundations, basements, concrete walls of water tanks and concrete pipes, etc. before the application of waterproofing materials.
- Repairing and waterproofing of tie-rod holes.
- Waterproofing of cable and pipe holes.
- Used for internal waterproofing of basement floors with Kalekim İzoseal.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 5 kg plastic pail

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 0.23 - 0.25 lt water / 1 kg powder
Pot Life: Max. 30 seconds
Mixing Time: 15 seconds
Heating Time: 15-30 seconds
Consumption: 2 kg for a hole having a volume about 1 lt

Performance Data (23°C and 50% RH)
Flexural Strength: ≥ 3 mm/m²
Compression Strength: ≥ 25 N/mm²
Shrinkage: Max. 3% mm/m

3026 İzoseal
Crystalline Waterproofing Mortar

One component, capillary effect, cementitious waterproofing compound applicable from both inside (negative) and outside (positive) directions, for interior and exterior concrete and masonry structural elements.

Fields of Application
In waterproofing of all structurally sound concrete, either from negative or positive side on:
- Basements.
- Foundations and basement retaining walls.
- Swimming pools and reservoirs.
- Sewage and water treatment plants.
- Tunnels, channels and bridges.
- Elevator shaft basements.
- Wet areas like bathrooms, WC etc.
- Underground garages and warehouses.

MC IR-C

Moisture control, increasing resistivity by limiting moisture content, coating.

CE

EN 1504-2 Class MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 25 kg multi-ply paper bag.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7 - 7.5 liters water / 25 kg powder (roller application)
12 - 12.5 liters water / 25 kg powder (power spray application)
Pot Life: 40 minutes
Waiting Time Between the Coats: 3 - 6 hours
Time to Waterproof: 7 days
Consumption: 2 kg/m² for 2 coats

Performance Data (at 23°C and 50% RH)
Density (EN 1015-6): 2100 ± 100 kg /m³
Impermeability to Water: 7 bar (Negative and positive side)
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strenght After Cycling Without De-icing Salts Impact (EN 13687-3/ EN 1542): ≥ 1.00 N/mm²
Adhesion Strenght After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I ; Sd < 5 (Sd: equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h$^{0.5}$
Dangerous Substances: See SDS.
Reaction to Fire: A1

3031 İzoseal 2K
Two Component Crystalline Waterproofing Mortar

Crystalline waterproofing material consisting of emulsion polymer based liquid and cement based powder components that contain chemical additives to increase water impermeability and workability, which is applicable from both negative and positive directions of interior and exterior concrete and masonry structural elements.

Fields of Application
- For interior and exterior areas, in vertical and horizontal directions.

Waterproofing of;
- Bathrooms, showers,
- Water basins,
- Foundations, retaining walls, basement walls,
- Tunnels,
- Elevator shaft basements,
- Brine pit,
- Fishponds,
- Concrete, plaster and screed surfaces.

MC IR-C

Moisture control, increasing resistivity by limiting moisture content, coating.

CE TSE

EN 1542, Class MC, IR-C

General Data
Appearance: 1st component: Grey powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 25 kg multi-ply paper bags,
Liquid component: 3 lt drums.
Set of 28 kg

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 3 lt liquid / 5-6 lt water / 25 kg powder
Mixing: ~3 mins. with max. 500 rpm mixer
Pot Life: ~2 hours
Waiting Time Between the Coats: 3 - 6 hours
Time to Waterproof: 7 days
Consumption (per 1 mm thickness): For humidity: 0.70 kg/m²
For Non-Pressurized Water: 1.00 kg/m²
For Pressurized Water: 1.35 kg/m²

Performance Data (at 23°C and 50% RH)
Density (EN 1015-6): 1850 ± 100 kg/m³
Impermeability to Water: 4 bar (negative), ≥ 7 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Cycling Without De-icing Salts (EN 13687-3 / EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Heat Ageing / Em 1062-11 / EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 m
Capillary Water Absorption (EN 1062-3): < 0.1 kg/m² h$^{0.5}$
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Bs1d0

3032 İzoseal 2K+
Two Component Crystalline Waterproofing Mortar

Crystalline waterproofing material consisting of emulsion polymer based liquid and cement based powder components that contain chemical additives to increase water impermeability and workability, which is applicable from both negative and positive directions of interior and exterior concrete and masonry structural elements.

Fields of Application
- For interior and exterior areas, in vertical and horizontal directions.

Waterproofing of;
- Bathrooms, showers,
- Water basins,
- Foundations, retaining walls, basement walls,
- Tunnels,
- Elevator shaft basements,
- Brine pit,
- Fishponds,
- Turkish baths, SPA's,
- Concrete, plaster and screed surfaces.

PI MC IR-C

Protection against ingress, moisture control, increasing resistivity by limiting moisture content , coating.

CE TSE

EN 1542 Class PI, MC, IR-C

General Data
Appearance: 1st component: Grey powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 25 kg multi-ply paper bags,
Liquid component: 10 lt drums.
Set of 35 kg

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 10 lt liquid / 25 kg powder
Mixing: ~3 mins. with max. 500 rpm mixer
Pot Life: 45 minutes
Waiting Time Between the Coats: 3 - 6 hours
Time to Waterproof: 7 days
Consumption (per 1 mm thickness): 1.4 kg/m²

Performance Data (at 23°C and 50% RH)
Density (EN 1015-6): 1550 ± 100 kg/m³
Impermeability to Water: ≥ 1 bar (negative), ≥ 7 bar (positive)
Adhesion Strength (EN 14891): ≥ 1.00 N/mm²
Adhesion Strength (EN 1504-2): ≥ 0.80 N/mm²
Permeability to Water Vapour (EN ISO 7783): Class I; Sd < 5 m
Capillary Water Absorption (EN 1062-3): < 0.1 kg/m² h$^{0.5}$
Crack Bridging (EN 1062-7) (21 °C): ≥ 0.75 mm (Class A3)
Crack Bridging with Mesh (EN 1062-7) (21 °C): > 2.50 mm
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Cs1d0

Waterproofing Applications

3023 İzolatex
Semi-Flexible Waterproofing Mortar

Semi-flexible waterproofing and concrete protection mortar consisting of emulsion polymer-based liquid component and cement-based powder component containing chemical additives that increase water impermeability and workability for interior and exteriors.

Fields of Application
- Waterproofing of bathrooms, showers, balconies, terraces before laying ceramic tiles.
- Waterproofing of swimming pools, Turkish baths before laying ceramic tiles.
- Can be applied on surfaces such as concrete, plaster, screed.

MC IR-C

Moisture control, increasing resistivity by limiting moisture content, coating.

EN 1504-2 Class MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data
Appearance: 1st component: Grey or White powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 20 kg multi-ply paper bags,
Liquid component: 5 lt drums.
Set of 25 kg

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5 lt liquid / 20 kg powder
Mixing: ~3 mins. with Max. 500 rpm mixer
Pot Life: 2 hours
Waiting Time Between the Coats: 5 - 6 hours
Waiting Time / Overcoatibility: Min. 3 days
Time to Waterproof: 7 days
Consumption: 1.7 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)
Density (EN 1015-6): 1900 ± 100 kg/m³
Impermeability to Water (for 3 mm thickness): 2 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.0 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3/EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h$^{0.5}$
Heat Resistance: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Bs1d0

3024 İzolatex Plus
Highly Flexible Waterproofing Mortar

Highly flexible waterproofing mortar composed of emulsion polymer-based liquid component and cementitious powder component containing additives that improve waterproofing and workability, which is resistant to salts and suitable for interior and exterior applications.

Fields of Application
- Swimming pools, water tanks, basins, pipes etc.
- Bathrooms, showers, WC, like wet areas before the tiling.
- Balconies and terraces before laying ceramic tiles.
- Underground concrete elements like foundations, retaining walls and basement walls.
- Places subject to deformation, pedestrian and traffic load.
- Concrete basins subject to sea water and de-icing salts.
- Can be applied on surfaces such as concrete, plaster, screed.

PI MC IR-C CMO2P

Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.

EN 14891 Class CMO2P. EN 1504-2 Class PI, MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data
Appearance: 1st component: Grey powder; 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 20 kg multi-ply paper bags,
Liquid component: 10 lt drums.
Set of 30 kg

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 10 lt liquid / 20 kg powder
Mixing: ~3 mins. with max. 5000 rpm mixer
Pot Life: 5 hours
Waiting Time Between the Coats: 5 - 6 hours
Waiting Time / Overcoatibility: Min. 3 days
Time to Waterproof: 7 days
Consumption: 1.7 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)
Density: 1580 ± 100 kg/m³
Impermeability to Water (for 3 mm thickness): 7 bar (positive)
Adhesion Strength (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Water Immersion (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Freeze-Thaw Cycles (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Cycling Without De-icing Salts Impact (EN 13687-3/ EN 1542): ≥ 1 N/mm²
Adhesion Strength After Heat Ageing (EN 14891): ≥ 0.50 N/mm²
Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Contact With Lime Water (EN 14891: ≥ 0.50 N/mm²
Adhesion Strength After Contact With Chlorinated Water (EN 14891): ≥ 0.50 N/mm²
Crack Bridging (23°C, %50 RH) (EN 14891): ≥ 0.75 mm
Crack Bridging (23°C, %50 RH) (EN 14891): ≥ 0.75 mm
Crack Bridging (-21 °C) EN 1062-7): ≥ 2.5 mm (A5)
Chloride Diffusion (ASTM C1202): ≤ 200 Coulomb (Class: Very low permeability)
Carbon Dioxide Permeability (EN 1062-6): Sd > 50 m (Sd: Equivalent air thickness)
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5 (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² h$^{0.5}$
Heat Resistance: (-40°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Cs1d0

3027 İzolatex UV
UV Resistant Waterproofing Mortar

Two component, highly flexible, UV resistant waterproofing mortar with effective resistance against salt and carbon dioxide used for interior and exterior concrete and masonry structural elements, composed of emulsion polymer based liquid component and cement based white powder, containing chemical additives that increase water impermeability and workability.

Fields of Application
- Waterproofing of balconies, terraces and roofs subject to light pedesterian and load traffic without additional covering.
- Waterproofing of swimming pools, bathrooms, showers, hammam before laying ceramic tiles.
- Applied on surfaces such as concrete, plaster, screed.

PI MC IR-C CMO1P

Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.

EN 14891 Class CMO1P
EN 1504-2 Class PI,MR,IR-C

General Data
Appearance: 1st component: White powder; 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 25 kg multi-ply paper bags,
Liquid component: 8 lt drums.
Set of 33 kg

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 8 lt liquid / 25 kg powder
Mixing: ~3 mins. with max. 500 rpm mixer
Pot Life: 3 hours
Waiting Time Between the Coats: 5 - 6 hours
Waiting Time / Overcoatibility: Min. 3 days
Time to Waterproof: 7 days
Consumption: 1.7 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)
Density (EN 1015-6): 1700 ± 100 kg/m³
Impermeability to Water (for 3 mm thickness): 7 bar (positive)
Adhesion Strength (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Freeze-Thaw Cycles (EN 1542): ≥ 1.00 N/mm²
Adhesion Strength After Water Immersion (EN 1542): ≥ 1.00 N/mm²
Resistance to Accelerated Ageing (EN 1062-11): No visual change.
After 2000 hours UV radiation and humidity
Adhesion Strength After Contact With Lime Water (EN 14891): ≥ 0.50 N/mm
Adhesion Strength After Contact With Chlorinated Water (EN 14891): ≥ 0.50 N/mm²
Chemical Resistance (EN ISO 2812-1): No visible deformation after 30 days
Crack Bridging (23°C) (EN 14891): ≥ 0.75 mm
Crack Bridging (-5°C) (EN 14891): ≥ 0.75 mm
Crack Bridging (EN 1062-7) (21 °C): ≥ 1.25 mm (A4)
Chloride Diffusion (ASTM C1202): ≤ 200 Coulomb (Class: Very low permeability)
Carbondioxide Permeability (EN 1062-6): Sd > 50 m (Sd: Equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0,1 kg/m² h$^{0.5}$
Heat Resistance: (-40°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire: European classification Cs1d0

3022 İzolatex 1K
One-Component Cementitious Mortar for Flexible Waterproofing & Concrete Protection

İzolatex 1K is a one-component, crack-bridging, flexible mortar, based on cement modified with waterproofing and workability improving additives used for interior and exterior applications.

Fields of Application
- Bathrooms, showers, WC, Turkish baths, spa-like wet areas before the tiling.
- Balconies and terraces before laying ceramic tiles.
- Swimming pools, water tanks, basins, pipes etc.
- Internal wall floors against leakage and surface water.
- External wall surfaces to be backfilled in the ground.
- It is applied on concrete surfaces which must be protected against sea water salts.

CMO1P

TS EN 14891
Class CMO1P

General Data
Appearance: Grey colour cement modified powder
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 20 kg multi-ply paper bag.

Application Data
Application and Surface Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5.5 - 6.3 lt water per 20 kg bag (by brush)
3.2 - 4.0 lt water per 20 kg bag (by trowel)
Mixing: ~3 mins. with max. 500 rpm mixer
Pot Life: ≥ 120 min. at +20°C
Consumption: 0.85 - 1.00 kg/m²/mm
Waiting Time / Overcoating: 3 days
Time to Waterproof: 7 days

Performance Data (23°C and 50% RH)
Fresh Mortar Density: 1.35 ± 0.1 g/cm³
Initial Tensile Adhesion Strength and After Water Contact, Heat Aging, Freeze-Thaw Cycles (EN 14891): ≥ 1 N/mm²
Tensile Adhesion Strength (EN 1542): ≥ 2 N/mm²
Freeze Thaw De-Icing Salt Resistance (EN 13687-3): ≥ 1 N/mm²
Water Penetration under Pressure (EN 14891): 7 bar (positive)
Crack Bridging Ability (EN 14891): ≥ 0.75 mm (+23°C)
≥ 0.75 mm (-5°C)

Waterproofing Applications

3025 Ultralastic
Ultra Flexible Rapid Curing Waterproofing and Concrete Protection Mortar

Rapid curing, highly flexible, resistant to sulphate and durable waterproofing and concrete protection mortar for interior and exterior applications, composed of emulsion polymer based liquid component and powder component including waterproofing, and workability improving mineral additives, and special elements.

Fields of Application

- Waterproofing of;
  - Underground concrete elements like foundations, retaining walls, basement walls.
  - The soil contacting areas of concrete elements.
  - Permanently wet areas like swimming pools and water basins.
  - Wet areas like bathrooms, showers.
  - Wall interfaces.
  - Balconies and terraces.
  - The areas subject to saline water.
  - Concrete basins subject to sea water and de-icing salts.
  - Concrete, plaster and screeds.
- Waterproofing under ceramic tiling.
- Waterproofing over old tiling.
- All places where quick installation is needed.

PI MC IR-C CMO1P

Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.

EN 14891 Class CMO1P.
EN 1504-2 Class PI, MC, IR-C
Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data

Appearance: 1st component: Grey powder, 2nd component: White liquid.
Shelf Life (Powder and liquid): 12 months when stored in the original sealed packaging
Packaging: Powder component: 12 kg bag. Liquid component: 8 lt plastic pail. Set of 20 kg.

Application Data

Application Temperature Range: (+5°C) - (+25°C)
Mixing Ratio: 8 lt liquid / 12 kg powder
Mixing: ~3 mins. / 400-600 rpm
Pot Life: 45 minutes
Consumption:
- Areas subject to water at a normal level: 2.4 kg/m² (2 layer)
- Waterproofing against permanent water pressure at balconies and terraces, pools and water tanks: 3.2 kg/m² (2 layers)
- Soil contacting concrete elements and foundations: 4.5 kg/m² (3 layers)

Waiting Time Between Coats: 1.5 hours
Waiting Time Before Tiling: 3.0 hours
Curing Time: Max.12 hours (regardless of weather conditions)

Performance Data (at 23°C and 50% RH)

Density (mixture): 1.45 ± 0,1 g/cm³
İmpermeability to Water (EN 14891): ≥ 7 bar after 6 hours (positive 28 days)
Tensile Adhesion Strength (EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Stregth After Water Contact / Heat Treating / Freeze Thaw Cycle (EN 14891): ≥ 0.5 N/mm²
Crack Bridging (EN 14891): ≥ 1.50 mm (+23 °C)
≥ 1.00 mm (-5 °C)
Adhesion Strength (EN 1542): 3 hours: ≥ 0.5 N/mm²
24 hours: ≥ 1.0 N/mm²
28 days: ≥ 1.5 N/mm²
Adhesion Strenght After Cycling Without De-icing Salts Impact (EN 13687-3 / EN 1542): ≥ 1.0 N/mm²
Crack Bridging (EN 1062-7): ≥ 3.0 mm (A5) (21 °C)
Permeability to Water Vapour (EN ISO 7783-2): Class I; Sd < 5
Capillary water absorption (EN 1062-3): < 0.1 kg/m² h$^{0.5}$
Heat Resistance: (-40 °C) - (+80 °C)
Dangerous Substance: See SDS.

3351 Durex
Impregnation Waterproofing and Surface Protection Material

Silicone based concentrated impregnation and surface protection material, providing water impermeability without decreasing the water vapor permeability of the surface applied on and without giving any color or sheet to it.

Fields of Application

- Impregnation of porous mineral surfaces such as concrete, lime-sand stone and brick where waterproofing is required.
- Protecting concrete surfaces against abrasion caused by water, salt, chlorine and alkali.
- Impregnation of surfaces coated with any kind of paint or plasters having relatively low water resistance.
- Priming of surface before application of the paints and plasters.

MC IR-H

Moisture control, increasing resistivity by limiting moisture content, hydrophobic impregnation.

EN 1504-2 Class MC, IR-H

General Data

Appearance: Transparent liquid
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 1 liter plastic drum.

Application Data

Application Temperature Range: (0°C) - (+35°C)
Consumption: Approximately 0.20 - 0.50 lt/m² (Depending on the porosity of the substrate)
Application layer: 2 coats (wet on wet)
Minimum Drying Time: 45 - 60 minutes
Penetration: Very good

Performance Data (23°C and 50% RH)

Density: 1.0 g/cm³
Water Absorption: < 0.020 kg/m² h$^{1/2}$
Drying Rate Coefficient (EN 13579): > 30% (Class I)
Penetration Depth: < 10 mm (Class I)
Water Absorption and Resistance to Alkali (EN 13580): Water Absorption < 7.5%, Absorption ratio after exposure to alkali < 10%
Dangerous Substances: See SDS.

3353 Profesyonel Durex
Impregnation Waterproofing and Surface Protection Material

Silane / Siloxane emulsion based, solvent-free, ready to use surface protection and water repellent primer.

Fields of Application

- Impregnation of porous mineral surfaces such as concrete, lime-sand stone, decorative brick, clinker, where waterproofing is required.
- Priming surfaces of unpolished, absorbent, natural and unnatural stones for protection.
- Priming of surfaces before application of paints and plasters.

General Data

Appearance: White liquid
Density: 1.0 g/cm³
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 10 lt plastic drum.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Consumption: Approximately 0.2 - 1.0 lt/m² (Depending on the porosity of the substrate.)
Application layer: 2 coats (wet on wet)
Drying Time: 24 hours
Penetration: Good

Performance Data (23°C and 50% RH)

Density: 1.0 ± 0.03 gr/cm³
Water Absorption and Resistance to Alkali (EN 13580): < 0.050 kg/m² h$^{1/2}$

3111 Elastiser
Elastomeric Resin Based Waterproofing Material

Acrylic emulsion elastomeric resin based, one component, ready to use, elastic and liquid under-tile waterproofing material.

Fields of Application

- Under-tile waterproofing of wet areas such as bathrooms, toilets, balconies and terraces.
- In horizontal and vertical applications.
- Interior and exterior.
- Suitable for use on concrete, cement-based plaster and screed surfaces, gypsum based surfaces and panels.

DM

TS EN 14891 Class DM

General Data

Appearance: White & Grey liquid waterproofing material
Shelf Life: 12 months when stored in the original sealed packaging.
Packaging: 5 kg and 20 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Waiting Time Between Coats (23°C): 4 - 6 hours
Ready to Use: 3 - 7 days
Consumption: 1.5 - 2 kg/m² (for 1 mm thickness)

Performance Data (23°C and 50% RH)

Initial Tensile Adhesion Strength (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Water Contact (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Heat Ageing (TS EN 14891): ≥ 0.5 N/mm²
Tensile Adhesion Strength After Freeze - Thaw Cycles (TS EN 14891): ≥ 0.5 N mm²
Tensile Adhesion Strength After Contact With Lime Water (TS EN 14891): ≥ 0.5 N mm²
Waterproofing (TS EN 14891): No penetration, ≤ 20 gr mass increase
Crack Bridging Abilities Under Standard Conditions (TS EN 14891): ≥ 0.75 mm
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS
Reaction to Fire: European classification Ds1d0

Waterproofing Applications

PI MC IR-C DMO1P

Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.

EN14891 Class DMO1P.
EN 1542 Class PI,MC,IR-C

3131 Elastikor

Elastomeric Resin Based Waterproofing Material Resistant to UV Rays

Elastomeric resin based, one component, waterproofing liquid plastic coating.

Fields of Application

- Waterproofing of all types of flat or sloping roofs like concrete, plaster, asbestos cement, tile, aluminum, zinc, PVC, asphalt (at least one year old).
- Exterior waterproofing of buildings.
- For crack bridging.

General Data

Appearance: White liquid waterproofing material
Shelf Life: 24 months when stored in the original sealed packaging
Packaging: 1 kg, 3 kg, 10 kg and 20 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Waiting Time Between Coats (23°C): 4 hours
Ready to Use: 3 - 7 days
Consumption: ~1.5 kg/m² (for 1 mm thickness)
Application (vertical): 2 layers. Thickness: 0.75 - 1.00 mm
Application (horizontal): 3 layers. Thickness: 1.00 - 1.50 mm

Performance Data (23°C and 50% RH)

Tensile Strength (EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Cycling Without De-icing Salts Immersion (EN 13687-3/ EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 0.8 N/mm²
Resistance to Accelerated Ageing (EN 1062-11): No visible change. (2000s UV and condensation)
Crack Bridging (EN 1062-7) (21 °C / -10 °C): ≥ 2.5 mm (A5) / ≥ 1.5 mm (A4)
Flexibility: Highly flexible
Permeability to Water-vapour (EN ISO 7783-2): Class I ; Sd < 5 (Sd: equivalent air thickness)
Carbon Dioxide Permeability (EN 1062-6): Sd > 50 m (Sd: equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² $h^{0.5}$
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS
Reaction to Fire: European classification Cs1d0

PI MC IR-C

Protection against ingress, moisture control, increasing resistivity by limiting moisture content, coating.

EN 1504-2 Class PI,MC,IR-C

3151 Elasticool

Waterproofing and Coating Material with Solar Reflectance

One component, highly elastic, liquid plastic coating and waterproofing material which is formulated with high technology polymerization for waterproofing of roof surfaces and providing energy saving by reflecting radiant heat energy.

Fields of Application

- Waterproofing of all types of flat or sloped roofs and terraces covered with concrete, plaster, asbestos cement, galvanized steel, zinc, aluminum, PVC, polyester and wood.
- Exterior waterproofing of buildings.
- Surfaces of concrete, plaster, stone, clinker, decorative coatings etc.
- Old bitumen, bituminous membrane or asphalt covered surfaces.
- On spray polyurethane foam.
- Used as waterproofing and energy saving material.

General Data

Appearance: White liquid waterproofing material
Shelf Life: 24 months when stored in the original sealed packaging
Packaging: 20 kg plastic pails.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Waiting Time Between Coats: 4-8 hours
Ready to Use: 3 - 7 days
Consumption: ~1.5 kg/m² (for 1 mm thickness)
Application (vertical): 2 layers. Thickness: 0.75 - 1.00 mm
Application (horizontal): 3 layers / Thickness: 1.00 - 2.00 mm

Performance Data (23°C and 50% RH)

Impermeability to Water: ≥ 1 bar / 24 hours
Tensile Strength (EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Cycling Without De-icing Salts Immersion (EN 13687-3 / EN 1542): ≥ 0.8 N/mm²
Tensile Adhesion Strength After Heat Ageing (EN 1062-11/EN 1542): ≥ 0.8 N/mm²
Resistance to Accelerated Ageing (EN 1062-11) After 2000 hours UV radiation and humidity; No blistering / cracking / flaking: No visible change.
Crack Bridging (EN 1062-7) (21 °C/-10 °C): ≥ 2.5 mm (A5) / ≥ 2.5 mm (A5)
Total Solar Reflectance: 83%
Thermal Emmitance : 94%
Solar Reflectance Index: 105%
Permeability to Water-vapour (EN ISO 7783-2): Class I ; Sd < 5 (Sd: equivalent air thickness)
Carbon Dioxide Permeability (EN 1062-6): Sd > 50 m (Sd: equivalent air thickness)
Capillary Water Absorption (EN ISO 1062-3): < 0.1 kg/m² $h^{0.5}$
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS
Reaction to Fire: European classification Cs1d0

4701 İzoline Astar

Bitumen Primer

Bitumen emulsion-based, ready-to-use primer applied only from the positive side and used to protect the underground or ground level building elements against ground moisture and water leakage.

Fields of Application

- Building foundations, basements, underground garages,
- For treating surfaces before laying bitumen membranes to improve bonding.
- In horizontal and vertical applications
- As a primer prior to application of İzoblok series.

General Data

Appearance: Dark brown in pail, black after drying.
Density: 1.00 g/cm³
Shelf Life: 24 months when stored in the original sealed packaging
Solid Material Ratio: 48 %
Packaging: 17 kg plastic pail.

Application Data

Application Temperaturee: (+5°C) - (+35°C)
Mixing Ratio (İzoline Astar/Water): 5/1-4/1
Drying Time: 1 hour
Ready to Use: 5-6 hours
Consumption: ~400g/m²

Conforms EN 15814

3410 İzoblok 1K

One Component Bitumen-Rubber Based Waterproofing Material

Flexible, one component, solvent free, fiber reinforced, ready to use bitumen rubber based waterproofing material used on the positive side only for protection against water leakages of construction elements under the ground or in the floor level.

Fields of Application

- Waterproofing of sub-base building structure surfaces which are permanently contact with leakaging or pressurized water and moisture,
- Waterproofing of foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
- Waterproofing of interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.
- Adhesion of polystyrene heat insulation panels.

General Data

Appearance: Black-brown viscous liquid
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: 70% ± 1
Packaging: Available in 30 kg plastic pails.

Application Data

Application Temperature: (+5°C) - (+35°C)
Application Thickness:
- For moisture resistant insulation: min. 3 mm dry film thickness
- For non-pressure water resistance: min. 3 mm dry film thickness
- For pressure water resistance: min. 4 mm dry film thickness

Mixing Ratio: 22 kg liquid / 8 kg powder
Consumption: Approx. 1.0 - 1.5 kg/m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Tack-Free Drying Time: 5 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 3 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)

Density: 1.26 ± 0.01 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity: Class W1 (3 mm dry film thickness)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility (EN15813): Pass
High Temperature Dimensional Stability (EN15818): Pass
Reaction to Fire (EN 13501-1): Class E

Waterproofing Applications

3401 İzoblok 2K+
Two Component Bitumen Rubber Based Waterproofing Material

Flexible, two component, solvent free, fiber reinforced bitumen rubber based waterproofing material used on the positive side only for protection against water leakage of construction elements under the ground or in the floor level.

Fields of Application
• Waterproofing of sub-base building structure surfaces which are permanently contact with leakaging or pressurized water and moisture.
• Waterproofing of foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
• Waterproofing of interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.

Conforms EN 15814

General Data
Appearance: 1st component: Black-brown liquid; 2nd component: Grey powder
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: 71% ± 1
Packaging: Available in A+B component 30 kg plastic pails.
Liquid: 22 kg, Powder: 8 kg.

Application Data
Application Temperature: (+5°C) - (+35°C)
Application Thickness:
- For moisture resistant insulation: min. 3 mm dry film thickness
- For non-pressure water resistance: min. 3 mm dry film thickness
- For pressure water resistance: min. 4 mm dry film thickness

Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Mixing Ratio: 22 kg liquid / 8 kg powder
Pot Life: 2 - 4 hours
Tack-Free Drying Time: 6 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 5 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)
Density (mixture): 1.13 ± 0.03 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity: Class W1 (3 mm dry film thickness)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility (EN 15813): Pass
High Temperature Dimensional Stability(EN 15818): Pass
Reaction to Fire (EN 13501-1): Class E

3402 Profesyonel 2K
Two Component Bitumen Rubber Based Waterproofing Material

Highly flexible, bitumen emulsion based, solvent free, polymer-modified, two-component waterproofing material.

Fields of Application
Waterproofing of;
• Sub-base building structure surfaces which are permanently contact with leakaging or pressurized water and moisture,
• Foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
• Wet areas like bathrooms, WC etc.
• Balconies and terraces (under floor covering).
• Interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.

Conforms EN 15814

General Data
Appearance: 1st component: Black-brown liquid; 2nd component: Grey powder
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: 69% ± 1
Packaging: Liquid: 22 kg, Powder: 8 kg
Available in A+B component 30 kg plastic pails.

Application Data
Application Temperature: (+5°C) - (+35°C)
Application Thickness:
- For moisture resistant insulation: min. 3 mm dry film thickness
- For non-pressure water resistance: min. 3 mm dry film thickness
- For pressure water resistance: min. 4 mm dry film thickness

Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Mixing Ratio: 22 kg liquid / 8 kg powder
Pot Life: 2 - 4 hours
Tack-Free Drying Time: 6 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 5 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)
Density (mixture): 1.13 ± 0.01 gr/ml
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity: Class W1 (3 mm dry film thickness)
Resistance to Rain (EN 15816): Class R2 (8 hours)
Resistance to Water (EN 15817): Pass
Low Temperature Flexibility (EN 15813): Pass
High Temperature Dimensional Stability (EN 15818): Pass
Reaction to Fire (EN 13501-1): Class E

3403 Profesyonel 2K+
Two Component, Bitumen Based Waterproofing Material

Highly flexible, two component, polymer modified, bitumen emulsion based, solvent free waterproofing material.

Fields of Application
Waterproofing of;
• Sub-base building structure surfaces which are permanently contact with leakaging or pressurized water and moisture,
• Foundations, retaining walls and basement walls, green terraces, sub-base car parking areas, basement floors,
• Interior and exterior mineral surfaces like concrete, stone, brick, plaster, mortar etc.

Conforms EN 15814

General Data
Appearance: 1st component: Black-brown liquid; 2nd component: Grey powder.
Shelf Life: 12 months when stored in original sealed packaging.
Solid Content Ratio: A Component: 59% ; A+B Component: 69%
Packaging: Liquid: 24 kg, Powder: 8 kg
Available in A+B component 32 kg plastic pails.

Application Data
Application Temperature: (+5°C) - (+35°C)
Application Thickness:
- For moisture resistant insulation: min. 3 mm dry film thickness
- For non-pressure water resistance: min. 3 mm dry film thickness
- For pressure water resistance: min. 4 mm dry film thickness

Mixing Ratio: 24 kg liquid / 8 kg powder
Pot Life: 2 - 4 hours
Consumption: Approx. 1.0 - 1.5 kg / m² for each 1 mm thickness. (the consumption amounts are theoretical and it varies by the condition of application surface)
Tack-Free Drying Time: 6 hours
Waiting Time Between the Coats: 1 - 2 hours (depending on the weather conditions)
Complete Drying Time: 1 - 5 days
Ready to Use Time: 7 days (depending on the curing time)

Performance Data (23°C and 50% RH)
Density (mixture): 1.20 ± 0.03 gr/ml
Resistance to Rain: (EN15816) Class R2 (8 hours)
Crack Bridging (EN 15812): Class CB2
Waterproofing Capacity (EN 15820): Class W1 (3 mm dry film thickness)
Resistance to Water (EN15817): Pass
Low Temperature Flexibility (EN 15813): Pass
High Temperature Dimensional Stability (EN 15818): Pass
Reaction to Fire (EN 13501-1): Class E

3452 İzopur P
Polyurethane Primer for Absorbent Surfaces

One component, transparent polyurethane primer material for absorbent surfaces. It is used as primer material before İzopur application.

Fields of Application
• Priming of old and dusty surfaces.
• To increase the abrasion resistance of mineral based surfaces.
• Before İzopur application, priming of absorbent surfaces like wood, concrete, cement screed, cement based mortars etc.

General Data
Appearance: Transparent liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 5 kg tin pails.

Application Data
Tack Free Time (20°C, 50% BN): 2 - 3 hours
Set to Light Traffic: 12 hours
Final Curing Time (20°C, 50% BN): 7 days
Consumption: 200 - 250 g/m² in one coat, depending on porosity of the surface and application method.

3451 İzopur
Polyurethane Based Waterproofing Material

One component, ready-to-use, polyurethane-based waterproofing material that has high elasticity and mechanical strength.

Fields of Application
• Waterproofing of roofs, balconies and terraces.
• Protection of polyurethane foam insulation.
• Waterproofing and protection of concrete constructions like bridge decks etc.

General Data
Appearance: Grey and White liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 25 kg tin pails.

Application Data
Application Temperature: (+10°C) - (+35°C)
Set to Light Traffic: 12-18 hours
Final Curing Time: 7 days
Rain Stability Time: 6-8 hours
Consumption: 1.0 - 1.2 kg/m² in a single layer, depending on porosity of the surface and application method.

Performance Data (20°C and 50% RH)
Density: 1.35-1.45 gr/ml
Elongation Break (ASTM D 412): 200% ± 50
Tensile Strength (ASTM D412): > 2.5 MPa
Resistance to Water Pressure (DIN 1928): No leak (1 m. water column, 24 hours)
Adhesion to Concrete (EN 1542): > 1.5 MPa
Hardness (Shore A Scale) (ASTM D2240) (15"): 70 ± 5
Crack Bridging (EN 1504-2) 23°C: ≥ 2.5 mm
Fire Class (DIN 4102-1): B2
Chemical Properties: Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.

Waterproofing Applications

3453 İzopur C
Polyurethane Based Topcoat

One component, ready-to-use, UV-resistant, high elasticity and mechanical strength, polyurethane-based topcoat material.

Fields of Application
• On İzopur polyurethane based waterproofing membrane applied surfaces, like roofs, balconies, terraces etc.
• Protection of concrete constructions like bridges, etc.

General Data
Appearance: White and grey liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 5 kg tin pails.

Application Data
Application Temperature: (+10°C) - (+35°C)
Tack Free Time: 1 - 3 hours
Set to Light Traffic: 12 hours
Final Curing Time: 7 days
Consumption: 1.0 - 1.2 kg/m² in one coat, depending on porosity of the surface and application method.

Performance Data (23°C and 50% RH)
Density: 0.95 - 1.1 gr/ml
Elongation Break (ASTM D 412): ≥ 150%
Tensile Strength (ASTM D 412): ≥ 4 MPa
Adhesion to İzopur (ASTM D903): > 2 N/mm²
2000 hours Accelerated Aging Test Results (DIN EN ISO 4892-3, 400 MJ/m²)
Surface chalking: No chalking observed.

3455 İzopur Trans P
Transparent Polyurethane Waterproofing System

One component, transparent and ready to use polyurethane based primer which enhances adherence for polyurethane waterproofing materials to be applied on glossy surfaces.

Fields of Application
• In preparation of glossy surfaces like glass and glazed ceramic tiles before İzopur Trans application.

General Data
Appearance: Transparent liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 1 kg tin pails.

Application Data (23°C and %50 RH)
Application Temperature: (+10°C) - (+35°C)
Consumption: 30 - 60 g/m²

3454 İzopur Trans
Polyurethane based, transparent Waterproofing Material

One component, transparent, ready-to-use, UV-resistant, polyurethane-based waterproofing material that has high elasticity and mechanical strength.

Fields of Application
• Waterproofing of balconies and terraces, coated with all kinds of materials.
• Waterproofing of ceramic, glass, glass brick, natural Stone, wood and bamboo surfaces without any change in appearance, thanks to its transparency.

General Data
Appearance: Yellow color transparent liquid
Shelf Life: 9 months when stored in the original packaging
Packaging: 5 kg tin pails.

Application Data
Application Temperature: (+10°C) - (+35°C)
Tack Free Time: 8 hours
Set to Light Traffic: 24-48 hours
Final Curing Time: 7 days
Consumption: 0.4 - 0.6 kg/m² in two or three coats, depending on porosity of the surface and application method.

Performance Data (23°C and 50% RH)
Elongation at Break (DIN EN ISO 527): 250%
Tensile Strength (DIN EN ISO 527): ≥ 5 N/mm²
Hardness (Shore D Scale) (ASTM D2240): 60
Water Vapor Permeability (EN ISO 12572): 6 g/m² (24 hours)
Resistance to Water Pressure (DIN EN 1928): No leak (1m. water column, 24 hour)
Adhesion to Absorbent Ceramic Tile (ASTM D 903 (ELCOMETRI): > 2.0 N/mm² (concrete surface failure)
Chemical Properties: Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.

3501 Kalekim Waterproofing Tape
Waterproofing Tape

Thermoplastic elastomeric waterproofing tape with polyester knit fabric reinforcement for wall and base connections, expansion and construction joints.

Fields of Application
• Waterproofing of water depots, wet areas (bathroom, kitchen, wc).
• Waterproofing of terraces, balconies, paraphets, roof finishings.
• Waterproofing of construction and expansion joints.

Technical Properties

General Data			
Type	I	II	III
Property	Polyester knit fabric reinforced	Polyester textile reinforced	Polyurethane membrane covered by polyester textile
Appearance	Grey	Grey	White
Width	120 mm / 70 mm	120 mm / 70 mm	120 mm / 70 mm
Thickness	0.54 mm	0.63 mm	0.44 mm
Packaging	10 and 50 m roll in a paper box.		
Application Data			
Burst Pressure	≥ 1.5 bar	≥ 1.5 bar	≥ 1.5 bar
Water Pressure Resistance	≥ 1.5 bar	≥ 1.5 bar	≥ 1.5 bar
Elongation at Break (long.)	18%	15%	10%
Elongation at Break (trans.)	90%	100%	120%
Temperature Resistance	(-30°C) - (+90°C)	(-30°C) - (+90°C)	(-30°C) - (+90°C)

3502 Kalekim Dilatation Tape
Elastic Waterproofing Tape for Dilatation

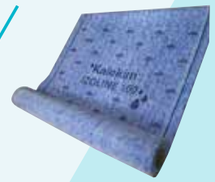
Thermoplastic elastomeric dilatation tape for wall and base connections, expansion and construction joints.

Fields of Application
• Waterproofing of underground concrete elements like foundations, retaining walls, basement walls.
• Waterproofing of permanently wet areas like pools.
• Waterproofing of water depots, treatment plants, tunnels.
• Waterproofing of terraces, balconies, paraphets, roof finishings.

General Data
Appearance: Grey, perforated edges
Width: 200 mm
Thickness: 1.0 mm ± 0.1
Packaging: > 20 m roll in paper box.

Application Data
Shore A Hardness: ~90
Burst Pressure: > 4.0 bar
Breaking Strength (lengthwise) (DIN EN 12311-2 Method B: > 15 N/mm²
Breaking Strength (widthwise) (DIN EN 12311-2 Method B): > 15 N/mm²
Elongation at Break (long.) (DIN EN 12311-2 Method B): > 600 %
Elongation at Break (trans.) (DIN EN 12311-2 Method B: > 650 %
Bond Strength (DIN EN 1348): > 4.5 Bar
Resistance to Water Pressure (DIN EN 1928-B-400 kPa/72 Std.): > 4 Bar
Resistance to UV (DIN EN ISO 4892-2): ≥ 6500 hour
Reaction to Fire: Class E
Temperature Resistance: (-30°C) - (+90°C)

Waterproofing Applications



İzoline 100
Under Tile Waterproofing Membrane

3-layer, super-elastic waterproofing membrane consisting of modified polyethylene film laminated in between polypropylene felt of high alkali resistance to be applied prior to the coating of materials, such as tile and natural stones, both in internal and external environments.

Fields of Application
• In areas subject to water such as bathrooms, showers and Turkish baths,
• In continuously wet areas such as pools and small water tanks,
• In terraces and balconies,
• On surfaces that are subject to activity (pedestrian, load traffic, expansion),
• In food at industry (milk, beer, wine, meat integrated facilities, slaughter houses, cafeterias and restaurants), in facilities that require chemical resistance such as the ones textile industry, hospitals, laboratories and pharmaceuticals industry,
• On plaster and cement based panels, and on concrete, plaster, screed surfaces.

General Data
Appearance: Polyethylene blue colored membrane with both sides coated in felt
Width: 1 meter
Thickness: ~ 0.5 mm
Roll Length: 30 meters
Shelf Life: 24 months in an unopened package in a dry environment.
Packaging: Polyethylene foil wrapped in a 30 m roll.

Application Data
Application Temperature: (+5°C) - (+35°C)
Temperature Resistance: (-30°C) - (+80°C)

Performance Data (23°C and 50% RH)
Water Impermeability: ≥ 1.5 bar (positive)
Explosion Pressure: > 2 bar
Tensile Strength - Lengthwise: 335 N/50 mm
Tensile Strength - Widthwise: 225 N/50 mm
Elongation at Rupture - Lengthwise: 87%
Elongation at Rupture - Widthwise: 133%
Adhesion Strength (EN 1348): > 0.5 N/mm² (with Technoflex)
Water Vapor Permeability (EN 1931): Sd > 50 m (Sd: Equivalent air layer thickness)
UV Resistance: > 450 hours
Dangerous Substances: See SDS.
Reaction to Fire: European Class Cs1d0

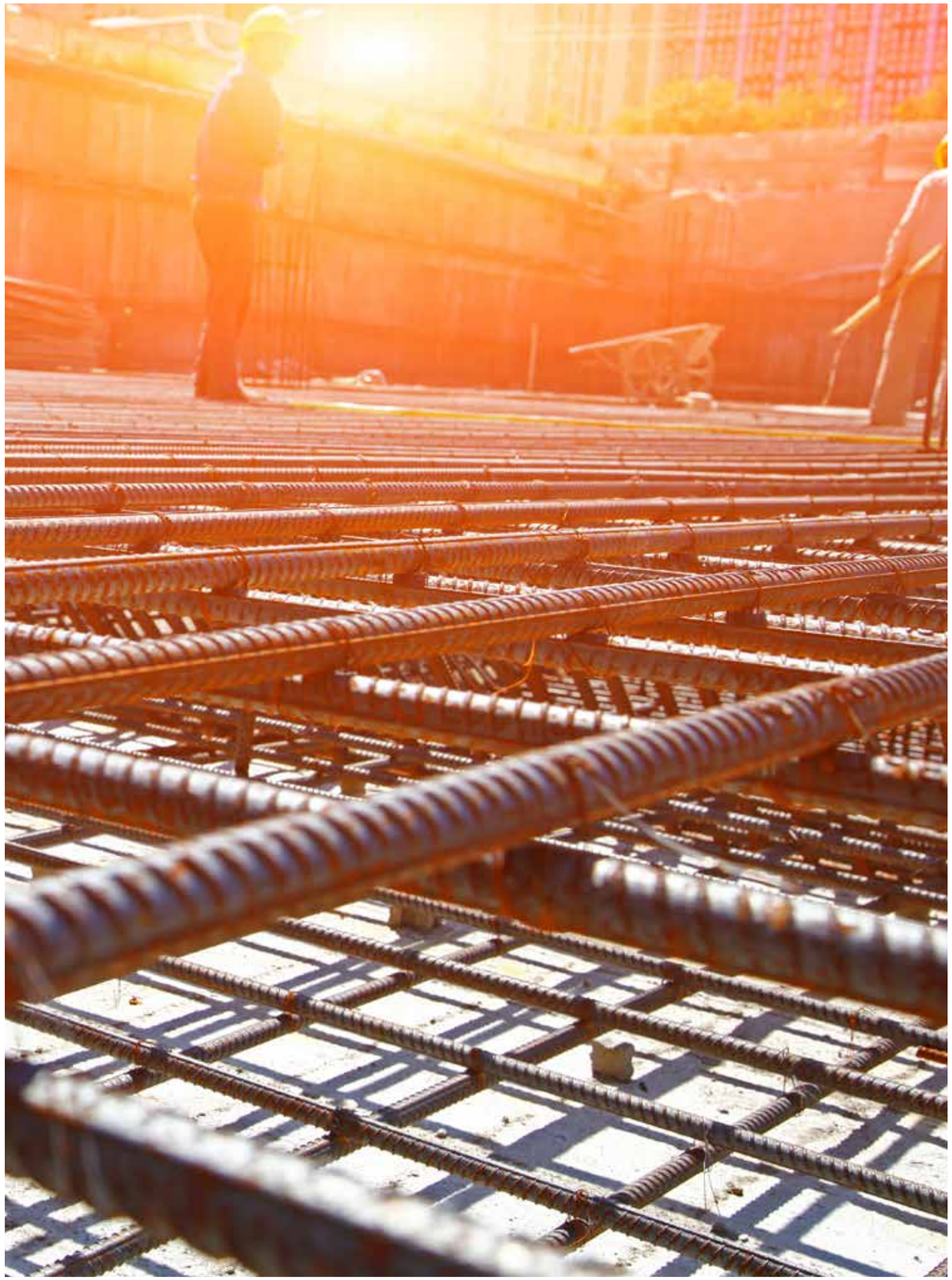
3503 İzoswell
Hydrophilic Swelling Tape

Hydrophilic swell strip consisting of an acrylate based polymer swelling substance embedded in a butylene copolymer based thermoplastic elastomer.

Fields of Application
• Waterproofing around all sorts of lead-throughs and construction joints (stationary joints).
• Waterproofing of foundations and basement walls.
• Water and drinking water tanks.
• In swimming pools.
• Waterproofing joints between precast concrete elements.
• Used in steel and concrete pipes.

General Data
Appearance: White strip
Density: 1.256 ± 0.08 g/cm³
Shore A: 26 ± 2
Dimensions: 20 x 5 mm - 20 x 10 mm
Packaging:
(20x5 mm): 9 rolls of 20 m per box (180 m / box)
30 boxes (5400 m) per euro pallet
(20x10 mm): 10 m / rolls - 9 rolls of 10 m per box (90 m / box)
30 boxes (2700 m) per euro pallet

Performance Data
Volumetric % swelling (14 days later)
Demineralised water
20x5 mm: 1200% ± 100
20x10 mm: 700% ± 100
Tap water
20x5 mm: 1000% ± 100
20x10 mm: 600% ± 100
Melting point: 110°C
Tensile strength (unswollen state) (EN ISO 527): ≥ 0.3 MPa
Elongation at rupture (unswollen state) (EN ISO 527): ≥ 300%
Resistant to permanent water: 2 bar (20 m)
Bursting pressure: 2.8 N/mm²



Waterproofing Product Selection Chart

		İzolatex	İzolatex Plus	İzolatex 1K	İzolatex UV	Ultralastic	İzoseal	İzoseal 2K	İzoseal 2K+	İzostop	İzostop Rapid	İzoblok 1K	İzoblok 2K+	Profesyonel 2K	Profesyonel 2K+	İzopur System	İzopur Trans	Elastikor	Elastiser	Elasticool
Foundations, Basements	Basement Walls					●						●	●	●	●					
	Retaining Walls					●	●	●	●			●	●	●	●					
Roofs & Terraces	Subject to UV & Non-Trafficable				●	●										●		●		●
	Subject to UV & Trafficable															●				
	Terrace Gardens															●				
	Under Tiling	●	●	●		●													●	
	Over Wooden Surfaces															●	●	●	●	●
	Over Metal Surfaces															●		●	●	●
Pools	Covered		●	●	●	●														
	Uncovered Decorative				●	●														
	Uncovered Pools					●	●	●	●											
	Pools of Fishery Products					●	●	●	●											
	Hammam, Sauna, Thermal Baths		●	●	●	●			●							●				
Water Reservoir	Tap Water	●	●	●	●	●	●	●	●											
	Saline Water		●		●	●	●	●	●											
	Potable Water	●	●		●		●		●											
Wet Areas	Bath & WC	●	●	●	●	●												●	●	
	Balconies	●	●	●	●	●										●	●	●	●	
Over Ceramic/Marble Coating						●											●			
Over Old Bitumen Coating						●														●
Domestic Wastewater	Canalettes						●	●	●											
	Septic Tanks						●	●	●											
Water Leakages										●	●									
Negative Waterproofing	Elevator Bases, Foundations (from inside)						●	●	●											
	Basements						●	●	●											
	Wet Areas Like Pools, Bathrooms etc.						●	●	●											

Performance is in its Chemistry!

Powerful, durable, long-lasting!

Tile Adhesives

Products

Kalekim
Kalekimbeyaz
Kalekim Tozumaz
Technoflex
Granitech
Profesyonel
Profesyonel Flex
Technoblock
Ultratech
Technomax 30
Rapitech
Rapitech Flex
Technopool
Technofull
Technolight
Supertech
Epotech A
Epotech W
Technopur
Kalekim Level Master
Kalekim Level Joker

Tile Adhesives

1051 Kalekim
Tile Adhesive (C1TE)

Cementitious ceramic tile adhesive with extended open time and reduced slip.

Fields of Application
- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic.

General Data
Appearance: Grey powder
Shelf Life: 20 kg bags: 12 months 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bag, 20 kg and 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7 - 7.5 lt water / 25 kg powder
5.6 -6.0 lt water / 20 kg powder
1.4 - 1.5 lt water / 5 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial: ≥ 0.5 N/mm²
After heat exposure: ≥ 0.5 N/mm²
After immersion in water: ≥ 0.5 N/mm²
After freeze/thaw cycles: ≥ 0.5 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

EN 12004:2007+A1:2012, Class C1TE.
C: Cementitious
1: Standard
T: Reduced slip
E: Extended open time

1052 Kalekimbeyaz
Tile Adhesive (C1TE)

Cementitious ceramic tile adhesive with extended open time and reduced slip.

Fields of Application
- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles.
- Exterior bonding and grouting of glass mosaics.
- Interior and exterior bonding of glass bricks.

General Data
Appearance: White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg, 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7 - 7.5 lt water / 25 kg powder
5.6 -6.0 lt water / 20 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial: ≥ 0.5 N/mm²
After heat exposure: ≥ 0.5 N/mm²
After immersion in water: ≥ 0.5 N/mm²
After freeze/thaw cycles: ≥ 0.5 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

EN 12004:2007+A1:2012, Class C1TE.
C: Cementitious
1: Standard
T: Reduced slip
E: Extended open time

1053 Kalekim Tozumaz
Dust-Free Tile Adhesive (C1TE)

Dust-free, cementitious, one component ceramic tile adhesive with extended open time and reduced slip.

Fields of Application
- Floor and wall bonding of all types of ceramic tiles, mosaic and decorative bricks on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tiles.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.75-7.25 liters water / 25 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 0.5 N/mm²
After heat exposure: ≥ 0.5 N/mm²
After immersion in water: ≥ 0.5 N/mm²
After freeze/thaw cycles: ≥ 0.5 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

EN 12004:2007+A1:2012, Class C1TE.
C: Cementitious
1: Standard
T: Reduced slip
E: Extended open time

1054 Technoflex
Deformable Tile Adhesive (C2TE S1)

High performance cementitious S1 class deformable tile adhesive with extended open time and reduced slip, for ceramic tiles and stones.

Fields of Application
- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tile, granite.
- Bonding of tiles on painted walls and gypsum.
- Bonding of ceramic tiles in swimming pools, basins and any other wet places.
- Bonding of tiles on terraces and balconies.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots and underfloor heating systems.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.
- Approved for use with plywood.

General Data
Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg and 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5 C) - (+35 C) & (-10 C) - (+23 C)
(Thanks to Wintertech)
Mixing Ratio: 6.5-7.0 lt water / 25 kg for grey powder
6.75-7.25 liters water / 25 kg for white powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Set to Light Foot Traffic: 24 hours
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Slip (ANSI A118.4 6.0): ≤ 0.02 in. (0.5 mm)
Open Time Tensile Adhesion Strength: After 30 minutes
Open Time (ANSI A118.4 5.3): After 30 minutes ≥ 75 psi (0.5 MPa)
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Shear Strength, impervious ceramic (porcelain mosaics)
(ANSI A118.4 7.2.5) (after 28 days): > 200 psi (1.38 MPa)
Shear Strength, glazed wall tile (ANSI A118.4 7.1.2) (after 7 days): > 300 psi (2.07 MPa)
Shear Strength, quarry tile (ANSI A118.4 7.3.2) (after 28 days): > 150 psi (1.03 MPa)
Shear Strength, quarry tile to plywood (ANSI A118.11.4.1.2) (after 28 days): > 150 psi (1.03 MPa)
Deformability: ≥ 2.5mm - S1 Deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A2

EN 12004:2007+A1:2012, Class C2TE, S1.
C: Cementitious
2: Improved
T: Reduced slip
E: Extended Open Time
S1: Deformable

Tile Adhesives

1055 Granitech
Granite Tile Adhesive (C2TE)

High performance cementitious adhesive with extended open time and reduced slip.

Fields of Application
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker on cementitious renders, cementitious screeds and concrete.
• Bonding of tiles on existing ceramic tiles or marble.
• Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

General Data
Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.5-7 liters water / 25 kg for grey powder
7-7.5 liters water / 25 kg for white powder
Pot Life: 4 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength (EN 12004-2):
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

C2TE QB

EN 12004:2007+A1:2012, Class C2TE.
C: Cementitious
2: Improved
T: Reduced slip
E: Extended Open Time

1056 Profesyonel
Granite Tile Adhesive (C2T)

High performance cementitious adhesive with reduced slip.

Fields of Application
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic, cotto, clinker on cementitious renders, cementitious screeds and concrete.
• Bonding of tiles on existing ceramic tiles or marble.

General Data
Appearance: Grey or white powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C) / (-10°C) - (+23°C) (Thanks to Wintertech)
Mixing Ratio: 6.5-7 liters water / 25 kg for grey powder
7-7.5 liters water / 25 kg for white powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 20 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

WINTER TECH

C2T

EN 12004:2007+A1:2012, Class C2T.
C: Cementitious
2: Improved
T: Reduced slip

Profesyonel Flex
Tile Adhesive (C2TE)

High performance cementitious adhesive with extended open time and reduced slip.

Fields of Application
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, granite, porcelain ceramic,cotto, clinker on cementitious renders, cementitious screeds and concrete.
• Bonding of tiles on existing ceramic tiles or marble.
• Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.
• Bonding of small and medium sized tiles over underfloor heating installations, on walls of ovens, in cold storage depots where sudden temperature changes occur.

General Data
Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 and 25 kg multi-ply paper bags

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.5-7 lt water / 25 kg grey powder
7-8 lt water / 25 kg white powder
5.2-5.6 lt water / 20 kg grey powder
5.6-6.4 lt water / 20 kg white powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

C2TE

EN 12004:2007+A1:2012, Class C2TE
C: Cementitious
2: Improved adhesive
T: Reduced slip
E: Extended open time

1058 Technoblock
Aerated Concrete Adhesive

Cementitious masonry mortar for bonding high water absorbing construction elements like aerated concrete.

Fields of Application
• Bonding of aerated concrete and any other high water absorbing construction elements.

General Data
Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Particle Size: Max. 1 mm
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C) / (-10°C) - (+23°C) (Thanks to Wintertech)
Mixing Ratio: 7-7.75 lt water / 25 kg grey powder
7.75-8 lt water / 25 kg white powder
Workable Life (EN 1015-9): ≤ 5 hours
Correction Time: ≤ 6 minutes

Performance Data (at 23°C and 50% RH)
Compressive Strength (EN 1015-11): > 5 N/mm² / M5
Air Content: < 20%
Bond Strength (EN 1052-3): ≥ 0.3 N/mm²
Water Absorption Coefficient (EN 1015-18): ≤ 0.40 kg/m² $min^{0.5}$
Water Vapor Permeability (EN 1745): 5/20 (Table Value)
Thermal Conductivity (EN 1745): 0.45 w/mk (Table Value)
Release Dangerous Substances (EN 12004-1): See SDS.
Reaction to Fire (EN 13501-1): A1

WINTER TECH

TS EN 998 - 2

Tile Adhesives

1059 Ultratech
Two Component, Extra Fast Setting, Highly Deformable Tile Adhesive (C2FTE S2)

Two component, high performance, flexible, fast setting cementitious adhesive with reduced slip and extended open time for ceramic tiles and stones.

Fields of Application
• Exterior bonding of large size ceramic tiles, stones, granite tiles, porcelain tiles, marble, etc.
• Ultratech allows grouting within 2-3 hours after application and rapid tiling of large size tiles in places which have to be ready for use within one day.
• Bonding of tiles on places which are subject to heavy traffic like shopping malls, hospitals, schools.
• Floor and wall bonding of large format and thin tiles (3-5 mm) like Kalesinterflex.
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
• Exterior bonding of ceramic, granite or porcelain tiles with dimentions more than 40x40 cm up to 30 meters height and more than 60x60 cm up to 15 meters height.

CE

C2FTE S2

Class C2FTE S2.
C: Cementitious
2: Improved
F: Fast Setting
T: Reduced Slip
E: Extended Open Time
S2: Highly Deformable

General Data
Appearance: 1st component: Grey powder, 2nd component: White liquid
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: Powder component: 25 kg multi-ply paper bags, Liquid component: 7.5 lt drums.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 7.5 lt liquid / 25 kg powder
Pot Life: 1 hours
Grouting: 2-3 hours
Consumption: 4.5 - 6.5 kg/m² (Combined Method)

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
- **After 3 hours:** ≥ 0.5 N/mm²
- **Initial (after 28 days):** ≥ 1 N/mm²
- **After heat exposure:** ≥ 1 N/mm²
- **After immersion in water:** ≥ 1 N/mm²
- **After freeze/thaw cycles:** ≥ 1 N/mm²

Deformability: ≥ 5 mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0

1060 Technomax 30
Two Component Highly Deformable Tile Adhesive (C2TE S2)

Two component, high performance, flexible, cementitious adhesive with reduced slip and extended open time for ceramic tiles and stones.

Fields of Application
• Exterior bonding of ceramic, granite or porcelain ceramics sized 40x40 cm up to 30 meters and 60x60 cm up to 15 meters height.
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
• Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools.

CE

C2TE S2

Class C2TE S2.
C: Cementitious
2: Improved
T: Reduced Slip
E: Extended Open Time
S2: Highly Deformable

General Data
Appearance: 1st component: Grey powder, 2nd component: White liquid
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: Powder component: 25 kg multi-ply paper bags, Liquid component: 5.75 lt drums.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5.75 liters liquid / 25 kg powder
Pot Life: 5 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 4.5 - 6.5 kg/m² (Combined Method)
Set to Light Foot Traffic: 24 hours

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
- **Initial (after 28 days):** ≥ 1 N/mm²
- **After heat exposure:** ≥ 1 N/mm²
- **After immersion in water:** ≥ 1 N/mm²
- **After freeze/thaw cycles:** ≥ 1 N/mm²

Deformability: ≥ 5mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A2s1d0

1061 Rapitech
Fast Setting Tile Adhesive (C2FT)

High performance, rapid setting and reduced slip cementitious adhesive for ceramic tiles and stones.

Fields of Application
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stones and decorative bricks on cementitious renders, cementitious screeds and concrete.
• Rapid tiling of places like public buildings, cafes, supermarkets, airports, that has to be ready for use within 1 day.
• Bonding of tiles on existing ceramic tiles.

CE

C2FT

EN 12004:2007+A1:2012, Class C2FT.
C: Cementitious
2: Improved
F: Fast Setting
T: Reduced slip

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6 - 7 liters water / 25 kg powder
Pot Life: 45 minutes
Set to Light Traffic: 6 hours
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 10 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
- **Early tensile adhesion strength:** After 6 hours ≥ 0.5 N/mm²
- **After heat exposure:** ≥ 1 N/mm²
- **After immersion in water:** ≥ 1 N/mm²
- **After freeze/thaw cycles:** ≥ 1 N/mm²

Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

1064 Rapitech Flex
Rapid Set Flexible Tile Adhesive (C2FT S1)

One-component, rapid set, high performance, cement-based adhesive mortar with reduced slip, specially formulated with enhanced flexibility and adhesion strength.

Fields of Application
• Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stones and decorative bricks on cementitious renders, cementitious screeds and concrete.
• Bonding of ceramic tiles in swimming pools, basins and any other wet places.
• Rapid tiling of places like public buildings, cafes, supermarkets, airports, that has to be ready for use within 1 day.
• Bonding of tiles on existing ceramic tile, granite.
• Bonding of tiles on places where sudden temperature changes occur like cold storage depots and underfloor heating systems.
• Bonding tiles on plywood.
• Floor and wall bonding of large format and thin tiles (3-5 mm) like Kalesinterflex.
• It gives excellent results when laying thin ceramics with glass fiber reinceforcement on the back.

CE

C2FT S1

EN 12004:2007+A1:2012, Class C2FT.
C: Cementitious
2: Improved
F: Fast Setting
T: Reduced slip
S1: Deformable

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 3.6-4.2 liters water / 20 kg powder
Pot Life: 45 minutes
Set to light traffic: 3 hours
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
- **Early tensile adhesion strength:** After 6 hours ≥ 0.5 N/mm²
- **After heat exposure:** ≥ 1 N/mm²
- **After immersion in water:** ≥ 1 N/mm²
- **After freeze/thaw cycles:** ≥ 1 N/mm²

Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

Tile Adhesives

1062 Technopool
Tile Adhesive for Waterproofing Systems (C2TE S2)

High performance, flexible, water resistant cementitious adhesive with extended open time, reduced slip and contributes to waterproofing for ceramic tiles and stones.

Fields of Application
- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of all types and sizes of tiles and glass mosaics in swimming pools, Turkish baths, water tanks, basins and any other wet place.
- Bonding of ceramic tiles or granite on existing granite, ceramic, marble.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots and over floor heat installations.
- Bonding of tiles on places subject to heavy traffic like shopping malls, hospitals, schools

CE

C2TE S2

Class C2TE S2.
C: Cementitious
2: Improved
T: Reduced Slip
E: Extended Open Time
S2: Highly Deformable

General Data
Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 5.75 - 6.25 liters water / 25 kg grey powder
6.25 - 6.75 liters water / 25 kg white powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 3-5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Deformability (EN 12002): ≥ 5mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A2

1066 Technofull
Fast Setting Pourable Tile Adhesive (C2FE)

High performance full contact & fast setting, flexible, cementitious adhesive, with extended open time for large format ceramic tiles and stones.

Fields of Application
- Interior & exterior floor bonding of medium and large sizes of ceramic tiles, granite ceramic, porcelain ceramic, cotto, clinker, marble without the need of backbuttering.
- Bonding on floors over underfloor heating installations.
- Bonding on the floors of places subject to heavy traffic like shopping malls, hospitals, schools.
- Rapid tiling of places like public buildings, cafes, supermarkets, airports, that has to be ready for use within 1 day.

CE

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

C2FE

EN 12004:2007+A1:2012,
Class C2FE.
C: Cementitious 2: Improved
F: Fast Setting
E: Extended open time

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.6 - 5 lt water / 20 kg powder
Pot Life: 1 hour
Set to Light Traffic: 6 hours
Consumption: 3 - 5 kg/m²
Grouting: After 3-4 hours

Performance Data (at 23°C and 50% RH)
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Early tensile adhesion strength: After 6 hours > 0.5 N/mm²
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: A1

1069 Technolight
Lightweight, Highly Deformable Tile Adhesive (C2TE S2)

High performance, flexible, lightweight, cementitious tile adhesive including rubber and nano-technological additives with extended open time and reduced slip.

Fields of Application
- Interior and exterior floor and wall bonding of all types and sizes of ceramic tiles, natural stone, marble, granite, porcelain ceramic, clinker, cotto on cementitious renders, cementitious screeds and concrete.
- Bonding of tiles on existing ceramic tile, granite.
- Bonding of tiles on painted walls and gypsum.
- Bonding of ceramic tiles in swimming pools, basins and any other wet places.
- Bonding of tiles on terraces and balconies.
- Bonding of tiles on places where sudden temperature changes occur like cold storage depots, on walls of ovens and over underfloor heating installations.
- Bonding of tiles on places that are subject to heavy traffic like shopping malls, hospitals, schools.

CE

C2TE S2

EN 12004:2007+A1:2012,
Class C2TE, S2.
C: Cementitious
2: Improved
T: Reduced Sli
E: Extended open time
S2: Highly Deformable

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 15 kg multi-ply paper bags with handles.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6 - 6.5 lt water/15 kg powder
Pot Life: 6 hours
Grouting: 8 hours on wall; 24 hours after on floor
Consumption: 1.5 - 2.5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Tensile Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 1 N/mm²
After freeze/thaw cycles: ≥ 1 N/mm²
Deformability: ≥ 5 mm - S2 Highly deformable
Service Temperature Range (after final cure): (-40°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0

1230 Supertech
Ready to Use Tile Adhesive (D2TE)

Ready to use high performance emulsion polymer based tile adhesive with extended open time and no vertical slip for ceramic tiles and stones.

Fields of Application
- Easy and clean application for interior wall and floor bonding of all types and sizes of ceramic tiles even on deformable surfaces.
- Bonding of tiles on gypsum panels and painted walls.
- Interior bonding of insulating and decorative ceiling materials.

CE

D2TE

EN 12004:2007+A1:2012,
Class D2TE.
D: Dispersion based
2: Improved
T: Reduced Slip
E: Extended Open Time

General Data
Appearance: White paste
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 1.5 kg, 5 kg and 15 kg pail.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Grouting: 24 - 48 hours
Consumption: 3 - 5 kg/m²

Performance Data (at 23°C and 50% RH)
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength:
Initial (after 28 days): ≥ 1 N/mm²
After heat exposure: ≥ 1 N/mm²
After immersion in water: ≥ 0.5 N/mm²
At elevated temperatures: ≥ 1 N/mm²
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0

Tile Adhesives

1301 Epotech A
Epoxy Based Adhesive (R2T)

Three-component, solvent-free, epoxy-resin-based, chemical resistant waterproofing adhesive.

Fields of Application
- Interior and exterior floor and wall bonding of surface coating materials such as Antiasit porcelain tiles, granite, marble etc.
- In industrial places where mechanical strength is required.
- Bonding of metal profiles on concrete.
- Bonding of concrete, stone, metal, wood, PVC pieces on each other and in between.

CE

R2T

EN 12004:2007+A1:2012,
Class R2T.
R: Resin based
2: Improved
T: Reduced Slip

General Data

Appearance: Component A: White paste
Component B: Green transparent liquid
Component C: Yellow powder
Shelf Life (Component A / B / C): 12 months when stored in the original sealed packing in a dry place.
Packaging: In 5 kg units and plastic pails (3 component);
Component A: 2.500 kg, Component B: 0.250 kg, Component C: 2.250 kg

Application Data

Application Temperature Range: (+10°C) - (+27°C)
Pot Life: 60 minutes at 23°C
Period of Grout Filling: 12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: 3 - 4 kg/m²

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength:
Initial: ≥ 15 N/mm²
After immersion in water: ≥ 15 N/mm²
After thermal shock: ≥ 10 N/mm²
Density: 2 g/cm³
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs1d0

1302 Epotech W
Epoxy Based Adhesive (R2T)

Three-component, solvent-free, epoxy-resin-based, chemical resistant waterproofing adhesive.

Fields of Application
- Bonding of Kalekim Dilatation Tape.
- Bonding of metal profiles on concrete.
- Bonding of concrete, stone, metal, wood.
- Bonding of floor and wall tiles, granite and marble plates.

CE

R2T

EN 12004:2007+A1:2012,
Class R2T.
R: Resin based
2: Improved
T: Reduced Slip

General Data

Appearance: Component A: White paste
Component B: Green transparent liquid
Component C: Whitish powder
Shelf Life (Component A / B / C): 12 months when stored in the original sealed packing in a dry place.
Packaging: In 5 kg units and plastic pails (3 component); Component A: 4.000 kg,
Component B: 0.375 kg, Component C: 0.625 kg

Application Data

Application Temperature Range: (+10°C) - (+27°C)
Pot Life: 60 minutes at 25°C
Period of Grout Filling: 12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: 3 - 4 kg/m² (As an adhesive)
1.0 -1.5 kg/m² (For bonding of waterproofing tape; Kalekim Dilatation Tape)

Performance Data (at 23°C and 50% RH)

Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength:
Initial: ≥ 15 N/mm²
After immersion in water: ≥ 15 N/mm²
After Thermal Shock: ≥ 10 N/mm²
Flexural Strength: ≥ 30 N/mm²
Compressive Strength: ≥ 45 N/mm²
Density: 1.39 g/cm³
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Bs2d0

1411 Technopur
Solvent-free Polyurethane Adhesive (R2T)

Two component, solvent-free polyurethane based multi-purpose adhesive.

Fields of Application
- Bonding of ceramic, granite ceramic, on concrete, metal, fiber-cement, wood, plasterboard surfaces.
- Bonding of parquet.
- Bonding on floors over underfloor heating installations.
- Bonding of thin tiles (Kalesinterflex) reinforced with fiber mesh.
- Bonding of Kalekim Dilatation Tape.

CE

R2T

EN 12004:2007+A1:2012,
Class R2T.
R: Resin based
2: Improved
T: Reduced Slip

General Data

Color: Component A: Light yellow. Component B: Dark brown.
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 7 kg pail (2 component).

Application Data

Mixing Ratio: Component A: 6.25 kg Component B: 0.75 kg
Pot Life: 45 - 60 minutes
Grouting: After 3 - 4 hours
Setting Time: 80% hardening in 24 hours
100% hardening in 1 week
Consumption: ~ 1.5 kg/m² (4 x 4 x 4 mm notched trowel)

Performance Data (at 23°C and 50% RH)

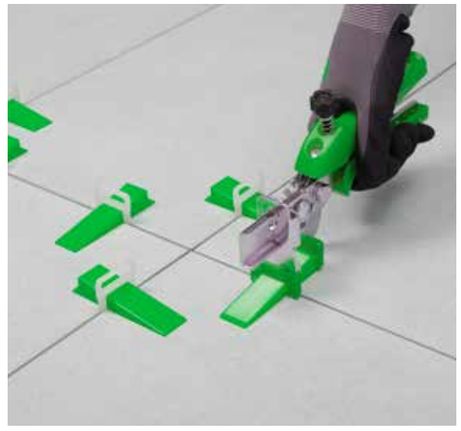
Slip: ≤ 0.5 mm
Open Time Tensile Adhesion Strength: After 30 minutes ≥ 0.5 N/mm²
Shear Adhesion Strength:
Initial: ≥ 2 N/mm²
After immersion in water: ≥ 2 N/mm²
After thermal shock: ≥ 2 N/mm²
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Release Dangerous Substances: See SDS.
Reaction to Fire: Cs2d1

Kalekim Level Master
Tile Levelling System

Tile levelling system consists of wedge, clips and pliers to prevent the leveling errors that may occur during installation of coating materials such as ceramic, granite, porcelain ceramic tiles, etc. and to ensure that the tiles are fixed and are at the same level until setting of adhesive mortar is completed.

Fields of Application
- Used for levelling of wall and floor tiles.
- Suitable for use with different sizes of joint gaps.
- It is an essential element for large format and heavy tile installation works.
- Provides practical and fast solution by shortening the application time.
- Avoids mistakes which may occur during tile installation process due to deformations on substrate, helps equaling level differences and provides smooth finish.

Packaging
- Wedge: 100 pieces / polyethylene bag
250 pieces / polyethylene bag
- Clips: 250 pieces / polyethylene bag
- Pliers: 1 piece / polyethylene bag



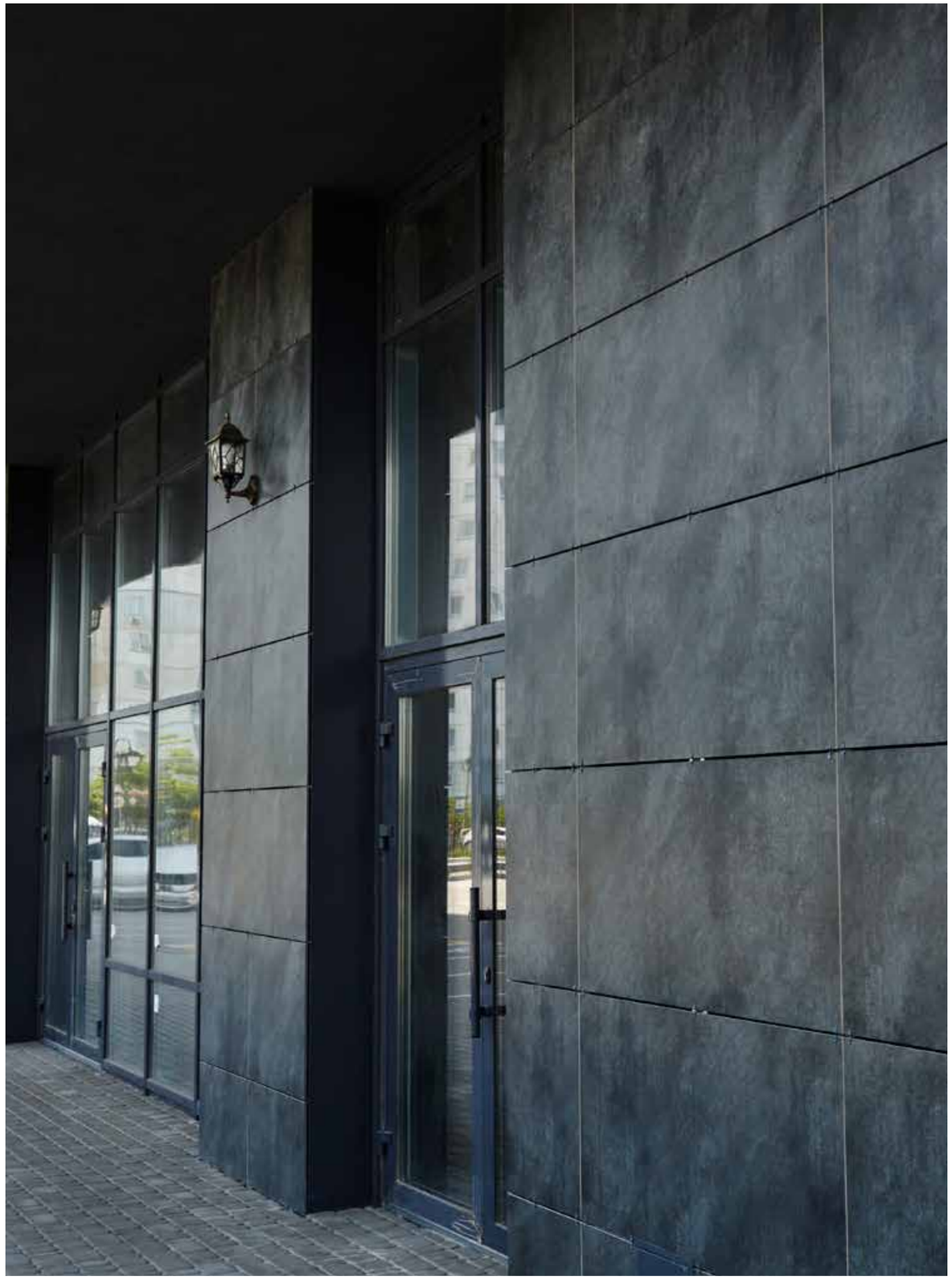
Tile Adhesives

6004 Kalekim Level Joker
Facade Cladding Level & Support Tool

Kalekim Level Joker equals the level differences in the bonding of cladding materials on metal carriers of interior and exterior cladding systems, and safely supports the cladding materials until the adhesive gains sufficient strength. It is a support and leveling apparatus that saves labor and time by adjusting the horizontal joint width of coating materials, and provides easy, practical and fast application.

Fields of Application

- Used in bonding systems of coating materials such as ceramic tile, granite ceramic tile, porcelain tile, Kalesinterflex, compact laminate etc. on interior and exterior cladding systems.
- Suitable for coating materials with a thickness of 4-16 mm. It can also be adapted to materials thicker than 16 mm, if required
- It is possible to use with different joint widths; width can be adjusted.
- Kalekim Level Joker keeps the coating materials securely on the metal carriers until Technobond PU or Technobond MS reach sufficient adhesion strength,
- It removes the level differences on the front surfaces of the coating materials and provides a smooth application by equaling the levels. Thus, the total structure of the facade is protected against external factors.
- Does not damage the metal carriers and coating materials during application.
- It makes fixing of especially large size tiles to the facade easier.
- Easy to apply, saves time and labor.
- Provides a practical, easy, fast and safe solution.
- Environment friendly and does not create plastic waste.
- Reusable and economical.



Adhesive Selection Chart

	INTERIOR						INTERIOR					
Wall	**Ceramic Tile, Glass Mosaic**				**Porcelain Tile,**		**Clinker**		**Natural Stone, Marble, Granite, Cotto**			
	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²
Cementitious Render / Concrete	Kalekim, Kalekimbeyaz, Kalekimtozumaz, / Supertech	Profesyonel, Rapitech•, Rapitech Flex, Granitech, Profesyonel Flex	Rapitech•, Rapitech Flex, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech A, Epotech W	Supertech / Profesyonel	Rapitech•, Rapitech Flex, Granitech, Technoflex, Profesyonel Flex	Rapitech•, Rapitech Flex, Granitech, Technoflex, Profesyonel Flex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Profesyonel / Supertech	Rapitech•, Rapitech Flex, Granitech, Technoflex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Gypsum Plaster / Gypsum Board (*)	Supertech / Technoflex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech A, Epotech W	Supertech	Technoflex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Supertech	Technoflex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Profesyonel Flex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Existing Ceramic (**)	Kalekim, Kalekimbeyaz, Kalekimtozumaz, Profesyonel	Rapitech•, Rapitech Flex, Granitech, Technoflex, Profesyonel Flex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech A, Epotech W	Profesyonel	Rapitech•, Rapitech Flex, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Rapitech•, Rapitech Flex, Granitech, Technoflex, Profesyonel Flex		Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Water Based Painted Surfaces	Supertech / Kalekim, Kalekimbeyaz, Kalekimtozumaz, Profesyonel	Rapitech•, Granitech, Technoflex, Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech A, Epotech W	Rapitech•, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Rapitech•, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Surfaces Waterproofed with (İzolatex Plus / İzolatex UV / Elastikor)	Rapitech•, Granitech, Technoflex, Profesyonel Flex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30,	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech A, Epotech W	Technoflex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Technoflex		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Wood, Metal, Glass Surfaces or Cement-fibre Panels	Technopur, Epotech A, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	

	Ceramic Tile, Glass Mosaic				Porcelain Tile,		Clinker		Natural Stone, Marble, Granite			
Floor	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²
Cementitious Screed / Concrete	Supertech / Kalekim, Kalekimbeyaz, Kalekimtozumaz, Profesyonel		Profesyonel, Rapitech•, Rapitech Flex, Granitech, Technofull•, Profesyonel Flex	Rapitech Flex, Technofull•, Technoflex, Technopool, Technolight	Supertech / Profesyonel	Profesyonel, Rapitech•, Rapitech Flex, Granitech, Profesyonel Flex	Rapitech•, Rapitech Flex, Granitech, Technofull•, Profesyonel Flex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Supertech / Profesyonel, Rapitech•, Rapitech Flex, Granitech, Profesyonel Flex	Profesyonel, Rapitech•, Rapitech Flex, Granitech, Profesyonel Flex	Technoflex, Rapitech Flex, Technofull•	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Underfloor Heating Surfaces	Technoflex, Technofull•, Technopur		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Technoflex, Technofull•, Technopur		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30,Technopur	Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Technoflex, Technofull•, Technopur		Technoflex, Technopool, Technolight, Ultratech•, Technomax 30,Technopur	Technopool, Technolight, Ultratech•, Technomax 30, Technopur
Existing Ceramic (**)	Profesyonel	Profesyonel, Granitech, Technoflex, Technofull• , Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Rapitech Flex, Technopool, Technolight,Ultratech•, Technomax 30, Technopur, Epotech W	Profesyonel	Profesyonel, Granitech, Technoflex, Technofull• , Profesyonel Flex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Profesyonel	Profesyonel, Granitech, Technoflex, Technofull• , Profesyonel Flex	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W
Wood or Metal Surfaces	Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	
Existing PVC, Rubber or Linoleum Floors	Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	
Bitumen Coating Surfaces	Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur		Technopur, Epotech W		Technopur	

For further information about application of coating materials one edge length longer than 100 cm and wall application of higher than 6 meters, please contact Kalekim Technical Office from info@kalekim.com
(*) Kalekim Astar should be used as primer for the surface preparation, before the application of cementitious products.
(**) Kalekim Dolgulu Astar should be used as primer for the surface preparation, before the application of cementitious products.
• Fast curing adhesives, can be used in places that must be open to traffic in 1 day.

Cement based adhesives
Dispersion based adhesives
Reaction resin based adhesives

Adhesive Selection Chart

	EXTERIOR											
Wall	**Ceramic Tile, Glass Mosaic**				**Porcelain Tile,**		**Clinker**		**Natural Stone, Marble, Granite**			
	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²
Cementitious Render / Concrete	Kalekimbeyaz, (Only at glass mosaic applications) / Profesyonel, Granitech, Profesyonel Flex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Granitech, Rapitech•, Rapitech Flex, Technoflex, Profesyonel Flex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W		Technoflex	Technoflex, Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	
Existing Ceramic (**)	Technoflex	Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W			Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W		Rapitech Flex, Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W		
Water Based Painted Surfaces	Technoflex	Rapitech Flex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W			Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W		Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur, Epotech W		
Thermal Insulation System	Ultratech•, Technomax 30, Technopur			Technopur	Ultratech•, Technomax 30, Technopur		Ultratech•, Technomax 30, Technopur	Technopur	Ultratech•, Technomax 30, Technopur			Technopur
Metal Surfaces	Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur	

	Ceramic Tile, Glass Mosaic				Porcelain Tile,		Clinker		Natural Stone, Marble, Granite			
Floor	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²	≤ 1600 cm²	≤ 2000 cm²	≤ 3600 cm²	≥ 3600 cm² ≤ 5000 cm²
Cementitious Screed / Concrete	Profesyonel, Granitech, Rapitech• , Profesyonel Flex	Profesyonel, Granitech, Rapitech•, Technofull•, Technoflex, Profesyonel Flex	Technopool, Technolight, Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Profesyonel, Granitech, Rapitech• , Profesyonel Flex	Profesyonel, Granitech, Rapitech Flex, Technofull•, Technoflex, Profesyonel Flex	Rapitech Flex, Technopool, Technolight, Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Profesyonel, Granitech, Rapitech•, Profesyonel Flex	Profesyonel, Granitech, Rapitech•, Rapitech Flex, Technofull•, Technoflex, Profesyonel Flex	Rapitech Flex, Technopool, Technolight, Technoflex	Technopool, Technolight, Ultratech•, Technomax 30, Technopur
Existing Ceramic (**)	Profesyonel, Granitech, Profesyonel Flex	Technoflex, Technofull•	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Profesyonel, Granitech, Profesyonel Flex	Technoflex, Technofull•	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Profesyonel, Granitech, Profesyonel Flex	Technoflex, Technofull•	Technoflex, Technopool, Technolight, Ultratech•, Technomax 30, Technopur	Technopool, Technolight, Ultratech•, Technomax 30, Technopur
Bitumen Coating Surfaces	Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur		Technopur , Epotech W		Technopur	

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(*) Kalekim Astar should be used as primer for the surface preparation, before the application of cementitious products.
(**) Kalekim Dolgulu Astar should be used as primer for the surface preparation, before the application of cementitious products.
• Fast curing adhesives, can be used in places that must be open to traffic in 1 day.

Cement based adhesives
Dispersion based adhesives
Reaction resin based adhesives

Adhesive Selection Chart for Large Sized and Thin Tiles

	INTERIOR	With Glass Fiber Reinforcing Mesh		Without Glass Fiber Reinforcing Mesh	
		< 5000 cm² (the longer side must be no more than 100 cm)	> 5000 cm²	< 5000 cm² (the longer side must be no more than 100 cm)	> 5000 cm²
Wall	Cementitious Render	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technoflex, Technopool, Technomax 30, Ultratech•, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech•, Technolight, Technopur
	Concrete	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technoflex, Technopool, Technomax 30, Ultratech•, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech•, Technolight, Technopur
	Gypsum Plaster / Gypsum Board (*)	Ultratech• (After it is primed with Kalekim Dolgulu Astar.), Technopur, Epotech W	Technopur	Ultratech• (After it is primed with Kalekim Dolgulu Astar), Technopur, Epotech W	Technopur
	Existing Ceramic	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technoflex, Technopool, Technomax 30, Ultratech•, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech•, Technolight, Technopur
	Wood Surfaces	Technopur		Technopur	
Floor	Cementitious Screed	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technofull•, Technoflex, Technopool, Technomax 30, Ultratech•, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech•, Technolight, Technopur
	Existing Ceramic	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technofull•, Technoflex, Technopool, Technomax 30, Ultratech•, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech•, Technolight, Technopur
	Underfloor Heating Surfaces	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technofull•, Technoflex, Technopool, Technomax 30, Ultratech•, Technolight, Technopur, Epotech W	Technopool, Technomax 30, Ultratech•, Technolight, Technopur

	EXTERIOR	With Glass Fiber Reinforcing Mesh		Without Glass Fiber Reinforcing Mesh	
		< 5000 cm² (the longer side must be no more than 100 cm)	> 5000 cm²	< 5000 cm² (the longer side must be no more than 100 cm)	> 5000 cm²
Wall	Cementitious Render	Ultratech•, Technopur, Epotech W	Technopur	Technopool, Technomax 30, Ultratech•, Technolight, Technopur	Technopur
	Concrete	Ultratech•, Technopur, Epotech W	Technopur	Technopool, Technomax 30, Ultratech•, Technolight, Technopur	Technopur
	Existing Ceramic	Ultratech•, Technopur, Epotech W	Technopur	Technopool, Technomax 30, Ultratech•, Technolight, Technopur	Technopur
	Metal Construction	Technobond		Technobond	
Floor	Cementitious Screed	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technopool, Technomax 30, Ultratech•, Technolight, Technopur	Technopur
	Existing Ceramic	Ultratech•, Technopur, Epotech W	Ultratech•, Technopur	Technopool, Technomax 30, Ultratech•, Technolight, Technopur	Technopur

For further information about application of coating materials one edge length longer than 100 cm and wall application of higher than 6 meters, please contact Kalekim Technical Office from info@kalekim.com

• Fast curing adhesives, can be used in places that must be open to traffic in 1 day.

— Cement based adhesives

— Reaction resin based adhesives

Colour is in its Chemistry!

Resilient, elegant, hygienic!

Grouts

Products

Fuga
Ultrafuga
Fugaflex (1-6 mm)
Ultrafuga Flex
Fugaflex (6-20 mm)
Fugaflex Rapid
Fugapool
Fugatech
Fugaprotech
Epotech +
Epotech G
Fugasim

Grouts

2000 Fuga
Grouting Mortar (1-6 mm)

Cement based grout for 1 to 6 mm joints.

Fields of Application
• Interior floor and wall grouting of ceramic tiles, marble, natural stones, glass mosaics, for 1-6 mm joints.

CG2 A | G

TS EN 13888-1, Class CG2A
C: Cementitious
G: Grout
2: Improved
A: High abrasion resistance

General Data
Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.
Bulk Density: 1.00g/cm³

Application Data
Mixing Ratio: 6 - 6.4 lt water / 20 kg powder 1.50 - 1.6 lt water/5 kg powder.
0.6 - 0.64 lt water / 2 kg powder 0.30 - 0.32 lt water/1 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 5 g. / ≤ 10 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

2200 Ultrafuga
Silicone Enhanced Grouting Mortar (1-6 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious, silicone enhanced grout for 1 to 6 mm joints.

Fields of Application
• Grouting of all types and sizes of ceramics (clinker, cotto, porcelain, granite tile, etc.), glass mosaic, natural stones for 1-6 mm joints.
• Interior floor and wall grouting wet areas like bathrooms, showers, easily get dirty like the kitchen.

CG2 WA | G

TS EN 13888-1, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

General Data
Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 1 kg, 2 kg, 5 kg polyethlyene, 20 kg multi-ply paper bags.
Bulk Density: 1.00 g/cm³

Application Data
Mixing Ratio: 6 - 6.4 lt water / 20 kg powder 1.50 - 1.6 lt water / 5 kg powder.
0.6 - 0.64 lt water / 2 kg powder 0.30 - 0.32 lt water / 1 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

2300 Fugaflex
Flexible Grouting Mortar (1-6 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious flexible grout for 1 to 6 mm joints.

Fields of Application
• Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 1-6 mm joints at interior and exterior floors, and walls.
• Grouting wet places like swimming pools, water tanks.
• Grouting places where sudden temperature changes and heavy traffic exist like facades, terraces, over floor heating installations, warehouses.

CG2 WA | G

TS EN 13888-1, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

General Data
Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data
Mixing Ratio: 5.8 - 6.4 liters water / 20 kg powder. 1.45 - 1.6 liters water / 5 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

2500 Ultrafuga Flex
Silicone Enhanced Flexible Grouting Mortar (2-20 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious, silicone enhanced, grout for 2 to 20 mm joints.

Fields of Application
• Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 6-20 mm joints at interior and exterior floors, and walls.
• Grouting wet places like swimming pools, water tanks.
• Grouting places where sudden temperature changes and heavy traffic exist like facades, terraces, over floor heating installations, warehouses.
• Floor and wall grouting of places like bathrooms, showers, balconies and kitchens.

CE

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

CG2 WA

TS EN 13888-1, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

Ege University Engineering Faculty, Chemical Engineering Laboratory Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data
Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data
Mixing Ratio: 5.8 - 6.2lt water / 20 kg powder; 1.45 - 1.55 lt water / 5 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 30 minutes
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

2600 Fugaflex
Flexible, Rustic Grouting Mortar (6-20 mm)

High performance (high resistance to abrasion and reduced water absorption), cementitious flexible grout for 6 to 20 mm joints.

Fields of Application
• Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 6-20 mm joints at interior and exterior floors, and walls.
• Grouting wet places like swimming pools, water tanks.
• Grouting places where sudden temperature changes and heavy traffic exist like facades, terraces, underfloor heating systems, warehouses.

CG2 WA | G

TS EN 13888-1, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data
Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data
Mixing Ratio: 4-4.4 liters water / 20 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption After 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

Grouts

2400 Fugaflex Rapid
Rapid Set Flexible Grout

Rapid set, high performance cementitious flexible grout for 2 to 20 mm joints with high resistance to abrasion and reduced water absorption.

Fields of Application
• Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 2-20 mm joints at interior and exterior floors, and walls.
• Grouting of tile on places subject to heavy traffic like shopping malls, hospitals, hotels, private houses, etc.
• Grouting of wet places like swimming pools, water tanks.
• Grouting of places where sudden temperature changes and heavy traffic exist like facades, terraces, underfloor heating installations, warehouses.

CG2 WA G

TS EN 13888-1, Class CG2WA
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

General Data
Appearance: White and coloured powder
Shelf Life: 24 months. when stored in the original sealed packing in a dry place.
Packaging: 5 kg plastic pail.

Application Data
Mixing Ratio: 1.1 - 1.2 lt water / 5 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 20-50 minutes
Grouting after installation:
on walls bonded with normal adhesive: 4-8 hours
on walls bonded with fast-setting adhesive: 1-2 hours
on floors bonded with normal adhesive: 24 hours
on floors bonded with fast-setting adhesive: 3-4 hours
Set to Light Traffic: Min 3 hours
Ready for use: 24 hours
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (EN 12808-3): ≥ 5 N/mm²
Compressive Strength (EN 12808-3): ≥ 10 N/mm² (6 hours), ≥ 25 N/mm² (28 days)
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 25 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 500 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption (EN 12808-5): ≤ 2 g (after 30 min), ≤ 5 g (after 240 min)
Service Temperature Range (after final cure): (-30°C) - (+80°C)

2900 Fugapool
Flexible Grouting Mortar for Pools

High performance, flexible, cementitious grout mortar for 1 to 6 mm joints, resistant against pool chemicals.

Fields of Application
• Grouting of all types and sizes of ceramic tiles, granite, cotto, clinker, glass mosaics, marble, natural stones with 1-6 mm joints at interior and exterior floors, and walls.
• Floor and wall grouting of wet places like swimming pools, water tanks, bathrooms, balconies, Turkish Baths, saunas, thermal springs and also grouting of places where sudden temperature changes occur like facades or over underfloor heating installations.

CG2 WA G

TS EN 13888-1, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

Hacettepe University Doping Control Center Approval Report according to BS 6920 (suitable for use in contact with water intended for human consumption)

General Data
Appearance: White and coloured powder
Shelf Life: 20 kg bags: 12 months. 5 kg bags: 24 months when stored in the original sealed packing in a dry place.
Packaging: 5 kg polyethylene bags, 20 kg multi-ply paper bags.

Application Data
Mixing Ratio: 5.8 - 6.4 liters water / 20 kg powder. 1.45 - 1.6 liters water / 5 kg powder.
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 1 hour
Set to Light Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (after 28 days) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after 28 days) (EN 12808-3): ≥ 15 N/mm²
Flexural Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (after freeze/thaw cycles) (EN 12808-3): ≥ 15 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 4 hours (EN 12808-5): ≤ 2 g. / ≤ 5 g.
Service Temperature Range (after final cure): (-30°C) - (+80°C)

2800 Fugatech
Ready to Use Flexible Grouting Mortar (1-6mm)

Acrylic based, flexible, water repellent, ready to use paste for 1 to 6 mm joints.

Fields of Application
• Grouting all types and sizes of ceramics and glass mosaics.
• Fugatech provides excellent results for horizontal and vertical interior applications and Fugatech Rustik is recommended for vertical exterior applications.
• Suitable for exterior facades and flexible substrates.

General Data
Appearance: White, beige and grey coloured paste
Dry Solids Content: ≥ 85%
pH: 8.00 ± 0.5
Shelf Life: 12 months. when stored in the original sealed packing in a dry place.
Packaging: 3 kg plastic pail.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Set to Light Traffic: > 48 hours
Consumption: See epoxy & acrylic consumption table depending on width of the joints and dimensions on the tile.

Performance Data (at 23°C and 50% RH)
Density: 1.7 ± 0.1 kg/m³
Resistance to Ageing: Good
Flexibility: High
Hardness (Shore D): ~ 50
Services Temperature Range (after final cure): (-15°C) - (+70°C)

2940 Fugaprotech
Cement Based Grouting Mortar with High Temperature Resistance (1-6 mm)

High performance, resistant to high temprature, mechanical loads and pool chemicals cementitious grout for 1 to 6 mm joints.

Fields of Application
• Interior and exterior areas, in wall and floor applications.
• Grouting of pool ceramics, granite ceramics, marble, glass mosaics, porcelain ceramics with 1-6 mm joints.
• In swimming pools, water reservoirs, in baths and saunas.
• Industrial floors exposed to heavy traffic and which requires mechanical and chemical cleaning.
• In terraces and balconies.

CG2 WA G

TS EN 13888-1, Class CG2WA.
C: Cementitious
G: Grout
2: Improved
W: Reduced water absorption
A: High abrasion resistance

General Data
Appearance: White, Cappadocia Beige, Grey powder
Shelf Life: 12 months. when stored in the original sealed packing in a cool, dry place.
Packaging: 20 kg multi-ply paper bags

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.1-4.5 lt water / 20 kg powder
Pot Life: 1 hour
Set to Foot Traffic: 1 day
Consumption: See consumption table depending on width of the joints and dimensions of the tile.

Performance Data (at 23°C and 50% RH)
Flexural Strength (After Dry Storage and Freeze-Thaw Cycle) (EN 12808-3): ≥ 2.5 N/mm²
Compressive Strength (After Dry Storage and Freeze-Thaw Cycle) (EN 12808-3): ≥ 45 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 1000 mm³
Shrinkage (EN-12808-4): ≤ 3 mm/m
Water Absorption after 30 min / 240 min (EN 12808-5): ≤ 2 g / ≤ 5 g
Service Temperature Range (after final cure): (-30°C) - (+250°C)

Grouts

2954 Epotech +
Chemical Resistant Epoxy Grout and Adhesive

Three-component, solvent-free, epoxy-resin-based, chemical resistant adhesive and water wipeable grout.

Fields of Application
• Adhesive and grouting applications of surface coating materials such as antiacid porcelain tiles, granite, etc.
• In industries like food, textile, pharmaceutical, and hospitals, thermal swimming pools where hygiene is required.
• In industrial places where high chemical and mechanical strength is required.
• Laboratory benches and commercial kitchen working areas.
• Provides excellent results for joints in saline or thermal swimming pools, wastewater treatment plants.
• Bonding of Kalekim Waterproofing Tape.

CE

R2T RG

TS EN 13888-1 Class RG
TS EN 12004 Class R2T
RG: Reaction Resin Grout
R2: Reaction Resin Improved Adhesive
T: Reduced Slip.

General Data
Appearance: Component A: White, Grey viscose liquid
Component B: Light yellow transparent liquid
Component C: Whitish powder
Shelf Life: 12 months. when stored in the original sealed packing in a cool, dry place.
Packaging: In 5 kg units and plastic pails (3 component);
Component A: 2.3 kg
Component B: 0.3 kg
Component C: 2.4 kg

Application Data
Application Temperature Range: (+10°C) - (+27°C)
Pot Life: 60 minutes at 23°C
Period of Grout filling: 12 - 48 hours (Depending on the temperature)
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: As an adhesive 3 - 4 kg/m²
As a grout see epoxy grout consumption table.

Performance Data (at 23°C and 50% RH)
Shear Adhesion Strength (EN 12003):
Initial: ≥ 15 N/mm²
After immersion in water: ≥ 15 N/mm²
After thermal shock: ≥ 10 N/mm²
Flexural Strength (EN 12808-3): ≥ 30 N/mm²
Compressive Strength (EN 12808-3): ≥ 45 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 250 N/mm³
Shrinkage (EN-12808-4): ≤ 1.5mm/m
Water Absorption (after 240 min) (EN 12808-5): ≤ 0.10 gr
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Release of Dangerous Substances: See SDS.
Reaction to fire: Bs1d0

2956 Epotech G
Easy Clean Epoxy Grout

Three-component, solvent-free, epoxy-resin-based, chemical resistant, easy clean grout.

Fields of Application
• Grouting applications of surface coating materials such as antiacid porcelain tiles, granite, natural stone, marble etc. for 2-12 mm joints.
• In industries like food, textile, pharmaceutical and hospitals, thermal swimming pools where hygiene is required.
• In industrial places where high chemical and mechanical strength is required.
• Laboratory benches and commercial kitchen working areas.
• Provides excellent results for joints in saline or thermal swimming pools, wastewater treatment plants.

RG G

Conforms TS EN 13888-1
Class RG
RG: Reaction Resin Grout

General Data
Appearance: Component A: White, Grey, Beige viscose liquid
Component B: Yellow-green transparent liquid
Component C: Off-white powder
Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.
Packaging: In 5 kg units and plastic pails (3 component)
Component A: 3.85 kg. Component B: 0.31 kg. Component C: 0.84 kg.

Application Data
Application Temperature Range: (+10°C) - (+27°C)
Pot Life: 60 minutes at 23°C
Ready for Use (Max. Chemical Resistance): 7 days
Set to Foot Traffic: 24 hours
Consumption: As a grout see epoxy grout consumption table.

Performance Data (at 23°C and 50% RH)
Flexural Strength (EN 12808-3): ≥ 30 N/mm²
Compressive Strength (EN 12808-3): ≥ 45 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 250 N/mm³
Shrinkage (EN-12808-4): ≤ 1.5 mm/m
Water Absorption (after 240 min) (EN 12808-5): ≤ 0.10 gr
Service Temperature Range (after final cure): (-20°C) - (+80°C)
Reaction to fire: Bs1d0

2955 Fugasim
Grout with Dazzle Effect

Decorative, stain resistant and easy to clean grout, distinguishing places with shining gold, silver, copper metallic dazzles.

Fields of Application
• Interior and exterior.
• Both horizontal and vertical applications.
• Swimming pools, bathrooms and other wet areas.
• Grouting joints of ceramic, granite ceramic, porcelain tiles and glass mosaic in malls, night clubs, restaurants and beauty centers.

RG G

Conforms TS EN 13888-1
Class RG
RG: Reaction Resin Grout

General Data
Appearance: Component A: Light yellow transparent liquid
Component B: Light yellow transparent liquid
Component C: Black, Gray, Beige powder
Component D: Silver, Gold, Copper dazzles
Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.
Packaging: 2.5 kg units and plastic pails (4 component).

Application Data
Application Temperature Range: (+10°C) - (+35°C)
Pot Life: 50 minutes at 25°C
Consumption: See epoxy grout consumption table.
Tack Free Time: 5 hours
Ready for Use (Stain Resistance): 7 days
Set to Foot Traffic: 24 hours

Performance Data (at 23°C and 50% RH)
Flexural Strength (EN 12808-3): ≥ 30 N/mm²
Compressive Strength (EN 12808-3): ≥ 45 N/mm²
Abrasion Resistance (EN 12808-2): ≤ 250 N/mm³
Shrinkage (EN-12808-4): ≤ 1.5mm/m
Water Absorption (after 240 min) (EN 12808-5): ≤ 0.1 gr
Service Temperature Range (after final cure): (-20°C) - (+80°C)

Colors of Grouting Mortars

FUGA, ULTRAFUGA, FUGAFLEX, ULTRAFUGA FLEX, FUGAPOOL, FUGAFLEX RAPID, FUGAPROTECH

White UF / F / FF / FP / UFF / UFFT / FFR / FPT

Grey UF / F / FF / FP / UFF / FFR / FPT

Uludag Grey UF / FF / UFF / FP / FFR

Satin Grey UF / F / FF / FP / UFF / FFR

Dydima Beige UF / FF

Bahama Beige UF / FF / UFF / FP / FFR

Ivory UF / FF / UFF / FP

Milet Brown UF / FF

Brown UF / FF / UFF

Light Brown UF / FF / UFF

Cappadocia Dark Brown UF / FF / UFF

Cotto UF / FF

Atlas Blue UF / FF / FP

Mediterranean Blue UF / FF / FP

Bitter UF / FF

Almond Green UF / FF

Walnut UF / FF

Mustard UF / FF

Satin Yellow UF / FF

Powder UF / FF

Dry Rose UF / FF

Vanilla UF / FF

Black UF / FF / UFF / FFR

Pool Blue UF / FF / FP / UFF

Cappadocia Cream UF / FF / FP / UFF / FFR

Cappadocia Beige UF / F / FF / FP / FFR / FPT

Avanos Beige UF / FF / FFR

Ürgüp Beige UF / FF / UFF

Nevsehir Beige UF / F / FF

Anthracite UF / FF / FFR

Cacao UF / FF

Jasmine UF / FF

Grout colors may show difference from original because of the printing method used in this color card.
The absorption of tile, water content of grout and climatic conditions may effect color shades.
UF-ULTRAFUGA / F-FUGA / FF-FUGAFLEX / FP-FUGAPOOL / UFF-ULTRAFUGAFLEX / UFFT-ULTRAFUGAFLEX TOZUMAZ / FFR-FUGAFLEX RAPID / FPT-FUGAPROTECH

FUGASİM Gold Colors

Black

Grey

Beige

FUGASİM Silver Colors

Black

Grey

Beige

FUGASİM Copper Colors

Black

Grey

Beige

EPOTECH + Colors

White

Grey

FUGATECH Colors

White

Grey

Beige

Grout colors may show difference from original because of the printing method used in this color card.
The absorption of tile, water content of grout and climatic conditions may effect color shades.

2954 EPOTECH + / 2956 EPOTECH G Chemical Resistance Test Results

CHEMICAL NAME	%	TEST
Aluminium Sulphate	2	+
Ammonium Chloride	10	+
Ammonium Chloride	40	+
Ammonium Nitrate	40	+
Ammonium Sulphate	40	+
Antifreeze		+
Acetic Acid	10	+
Acetone		-
Copper Sulphate	40	+
Barium Chloride	40	+
Benzoic Acid	10	+
Beer		+
Boric Acid	10	+
Zinc Chloride	40	+
Zinc Sulphate	40	+
Iron (II) Sulphate	40	+
Iron (III) Chloride	40	+
Tomato Juice		+
Saturated Salt Solution		+
Formaldehyde	37	+
Formic Acid	2.5	+
Phosphoric Acid	10	+^
Glycerin		+
Hydrofluoric Acid	20	+
Hydrogen Peroxide	10	+
Hidrojen Peroksit	25	+
Hydrochloric Acid	37	+^
Hydraulic Fluid		+
Urine		+
Isopropyl Alcohol	100	+
Jet Fuel		+
Calcium Hydroxide	20	+
Calcium Chloride	40	+
Calcium Nitrate	40	+
Kerosene		+
Chlorinated Water	2 mg/l	+
Cola		+
Chromic Acid	5	+
Lactic Acid	2.5	+^
Lactic Acid	10	+^
Magnesium Chloride	40	+
Magnesium Nitrate	40	+
Magnesium Sulphate	40	+
Diesel Oil		+
Mineral Oil		+
Engine Oil		+
Nickel Sulphate	33.3	+
Nitric Acid	10	+^

CHEMICAL NAME	%	TEST
Nitric Acid	30	+^
Oxalic Acid	10	+
Oleic Acid		-
Paraffin Oil/ Wax		+
Cheese Water		+
Orange Juice		+
Potasyum Hidroksit	25	+^
Potassium Hydroxide	50	+^
Potassium Carbonate	40	+
Potassium Chloride	40	+
Potassium Nitrate	40	+
Potassium Sulphate	40	+
Brine (Salt Solution)	5	+
SERACARE Oil Solvent	20	+
SERACARE Oil Solvent	50	+
Liquid Detergent		+
Silicone Oil		+
Citric Acid	10	+
Citric Acid	50	+
Sodium Acetate		+
Sodium Bicarbonate	40	+
Sodium Phosphate	40	+
Sodium Hydroxide	25	+
Sodium Hydroxide	50	+
Sodium Hypochloride Concentrate	Min. 5%	+
Sodium Carbonate	10	+
Sodium Carbonate	50	+
Sodium Chlorate	40	+
Sodium Chloride	40	+
Sodium Monochromate Concentrated		+
Sodium Monochromate Diluted	40	+
Sodium Nitrate		+
Sodium Silicate 40-42 Be	40	+
Sodium Sulfite	10	+
Stearic Acid	40	+
Stearic Acid		+
Water	10	+^
Sulphuric Acid	50	+^
Sulphuric Acid	70	+^
Sulphuric Acid		+
Milk		+
Wine	50	+
Sugared Water	10	+
Tartaric Acid	40	+
Trisodium Phosphate	20	+
Urea		+
Grape Juice		+^
Olive Oil		

^ :Discoloration
+ :Resistant
- :Not resistant

Kalekim — *Grouts*

Epoxy and Acrylic Grout Consumption Chart

Tile Dimensions (cm)	Joint Gap Depth (mm)	Joint Gap Width (mm)				
		3	4	5	7	10
		Consumption (gr/m²)				
11.5x24	14	1050	1400	1750	2400	3500
	15	1100	1400	1850	2600	3650
20x20	7	400	550	700	950	1350
24x24	14	800	900	1200	1600	2300
	15	700	1000	1200	1700	2400
25x25	7	350	450	850	750	1100
30x30	8,5	350	450	550	750	1100
33x50	9	250	350	450	600	900
40x40	9	250	350	450	600	900
60x60	12	250	300	400	550	800

Cementitious Grouting Mortar Consumption Chart

Tile Dimensions (cm)	Joint Gap Depth (mm)	Joint Gap Width (mm)						
		1	2	3	4	5	6	10
		Consumption (gr/m²)						
2.5x2.5	6	800	1600	2400	3200	4000	4750	7950
	8	1100	2100	3200	4250	5300	6350	10600
	10	1350	2650	4000	5300	6650	7950	13200
	12	1600	3200	4750	6350	7950	9500	15850
5x5	6	400	800	1200	1600	2000	2400	4000
	8	550	1110	1600	2100	2650	3200	5300
	10	700	1350	2000	2650	3300	4000	6600
	12	800	1600	2400	3200	4000	4750	7950
10x10	6	200	400	600	800	1000	1200	2000
	8	300	550	800	1100	1350	1600	2650
	10	350	700	1000	1350	1650	2000	3300
	12	400	800	1200	1600	2000	2400	4000
10x20	6	150	300	450	600	750	900	1500
	8	200	400	600	800	990	1200	2000
	10	250	500	750	1000	1250	1500	2500
	12	300	600	900	1200	1500	1800	3000
20x20	6	100	200	300	400	500	600	1000
	8	150	300	400	550	700	800	1350
	10	200	350	500	700	850	1000	1650
	12	200	400	600	800	1000	1200	2000
20x30	6	100	200	250	350	450	500	850
	8	150	250	350	450	550	700	1100
	10	150	300	450	550	700	850	1400
	12	200	350	500	700	850	1000	1650
20x50	6	100	150	250	300	350	450	700
	8	100	200	300	400	500	550	950
	10	150	250	350	500	600	700	1150
	12	150	300	450	550	700	850	1400
25x33	6	100	150	250	300	350	450	700
	8	100	200	300	400	500	600	950
	10	150	250	350	500	600	700	1200
	12	150	300	450	600	700	850	1400
25x40	6	100	150	200	250	350	400	650
	8	100	200	250	350	450	550	850
	10	150	250	350	450	550	650	1100
	12	150	250	400	550	650	800	1300
25x75	6	50	100	200	250	300	350	550
	8	100	150	250	300	350	450	700
	10	100	200	300	350	450	550	900
	12	150	250	350	450	550	650	1050
30x30	6	100	150	200	300	400	400	700
	8	100	200	300	350	450	550	900
	10	150	250	350	450	550	700	1100
	12	150	300	400	550	700	800	1350
30x45	6	100	150	200	250	300	350	550
	8	100	150	250	300	400	450	750
	10	100	200	300	400	500	550	950
	12	150	250	350	450	550	700	1100

Tile Dimensions (cm)	Joint Gap Depth (mm)	Joint Gap Width (mm)						
		1	2	3	4	5	6	10
		Consumption (gr/m²)						
30x60	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	1000
30x90	6	50	100	150	200	250	300	450
	8	100	150	200	250	300	350	600
	10	100	150	250	300	400	450	750
	12	100	200	300	350	450	550	900
33x33	6	100	150	200	250	300	400	600
	8	100	200	250	350	400	500	800
	10	100	200	300	400	500	600	1000
	12	150	250	400	500	600	750	1200
33x50	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	1000
40x40	6	50	100	150	200	250	300	500
	8	100	150	200	300	350	400	700
	10	100	200	250	350	450	500	850
	12	100	200	300	400	500	600	990
45x45	6	50	100	150	200	250	300	450
	8	100	150	200	250	300	350	500
	10	100	150	250	300	400	450	750
	12	100	200	300	350	450	550	900
45x90	6	50	100	100	150	200	200	350
	8	50	100	150	200	250	300	450
	10	100	150	200	250	300	350	550
	12	100	150	200	300	350	400	700
50x100	6	50	100	100	150	150	200	300
	8	50	100	150	200	200	250	400
	10	50	100	150	200	250	300	500
	12	100	150	200	250	300	400	600
50x150	6	50	100	100	150	150	200	300
	8	50	100	150	150	200	250	350
	10	50	100	150	200	250	300	450
	12	100	150	200	250	300	350	550
60x60	6	50	100	100	200	200	200	350
	8	50	100	150	300	250	300	450
	10	50	100	200	250	300	350	550
	12	100	150	200	300	350	400	700
60x120	6	50	50	100	100	150	150	250
	8	50	100	100	150	200	200	350
	10	50	100	150	200	200	250	450
	12	50	100	150	200	250	300	500

Grout Selection Chart

			TILES			FIELDS OF APPLICATION								
		Grout Width (mm)	Ceramic, Glass Mosaic	Porcelain Tile, Granite, Clinker	Natural Stone, Marble	Interior	Bathrom, Shower, Kitchen	Balconies, Terraces, Gardens	Turkish Baths, Sauna	Heavy Duty Traffic	Swimming Pool, Water Tank (Drinkable Water)	Facade Coatings	Under Floor Heating	Acid and Chemical Resistant Industrial Places
Cement Based	**Fuga**	1-6 mm	●	●	●	●								
	Ultrafuga	1-6 mm	●	●	●	●	●							
	Fugaflex	1-6 mm	●	●	●	●		●		●	●	●	●	
	Fugaflex	6-20 mm	●	●	●			●		●	●	●	●	
	Fugaprotech	1-6 mm	●	●	●	●	●	●	●	●	●	●	●	
	Ultrafuga Flex Ultrafuga Flex Tozumaz	2-20 mm	●	●	●	●	●	●	●	●	●	●	●	
	Fugaflex Rapid	2-20 mm	●	●	●	●	●	●		●		●	●	
	Fugapool	1-6 mm	●	●	●			●	●		●			
Acrylic Based	**Fugatech**	1-6 mm	●	●		●	● •						●	
Epoxy Based	**Fugasim**	3-20 mm	●	●		●				●				
	Epotech+	4-10 mm	●	●		●			●	●				●
	Epotech G	2-12 mm	●	●		●			●	●				●
Sealants	**Kalesilikon**		●	●		●	●	●						
	Kalepolymas		●	●	●	●		●				●		●
	Kalesilikon Plus		●	●		●	●	●						
	Kalepolymas MS		●	●	●	●		●				●		
	Kalesilikon NS			●	●	●						●		

• Only for wall application.

Strength is in its Chemistry!

Protection, strengthening, durability!

Performance Repair Solutions

Products

Tamirart 5
Tamirart 30
Tamirart W
Tamirart S40
Tamirart 40
İnce Sıva / Finish Plaster
Tamirart EP
Tamirart SL
Groutart SL
Mastar 10
Groutart
Groutart Rapid
Groutart EP
Tamirart AC
Kalekim Astar
Kalekim Dolgulu Astar
B-Tone
Gypsastar

Performance Repair Solutions

4001 Tamirart 5
Fine Repairing Mortar

Cementitious, polymer reinforced rendering and repair mortar.

Fields of Application
- Smoothening walls prior to restoration, ceramic tiles installation and painting.
- Smoothening and filling hairy cracks on the surfaces of foamed cement, concrete, brick walls.
- Repairing old, damaged renders, concrete up to 1-10 mm.

R2 CE

Non-structural repair mortar conforming TS EN 1504-3 / Class R2.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.25 - 5.25 liters water / 25 kg powder
Pot Life: Min. 60 minutes
Application Thickness: 1-10mm (for single layer)
Consumption: 1.40 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)
Compressive Strength (TS EN 12190): ≥ 15 N/mm² (28 days)
Flexural Strength (TS EN 12190): ≥ 4.0 N/mm²
Tensile Strength (EN 1542): ≥ 1.0 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 0.8 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² $h^{0.5}$
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4002 Tamirart 30
Coarse Repairing Mortar

Polymer reinforced, cement based surface repair mortar.

Fields of Application
- Smoothening walls prior to restoration, ceramic tiles installation and painting.
- Smoothening and filling hair cracks on the surfaces of aerated concrete, brick walls.
- Repairing old, damaged renders, concrete up to 5-30 mm.

R2 CE

Non-structural repair mortar conforming TS EN 1504-3 / Class R2.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bag.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.0 - 5.0 liters water / 25 kg powder
Pot Life: Min. 60 minutes
Application Thickness: Max. 30 mm (for single layer)
Consumption: 1.90 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)
Compressive Strength (TS EN 12190): ≥ 20.0 N/mm² (28 days)
Flexural Strength (TS EN 12190): ≥ 4.0 N/mm²
Tensile Strength (EN 1542): ≥ 1.0 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 0.8 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² $h^{0.5}$
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4003 Tamirart W
White Color Surface Smoothing and Repairing Mortar

Cementitious, polymer reinforced filling and repair rendering for smoothening surfaces prior to painting.

Fields of Application
- Filling hair cracks and smoothening of the surfaces of aerated concrete, concrete, brick walls prior to painting.
- Smoothening walls during restoration.
- Repairing wall and ceiling renders.
- Repairing old, damaged renders and concrete up to 1-5 mm.

R1 CE

Non-structural repair mortar conforming EN 1504-3 / Class R1.

General Data
Appearance: White powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 20 kg multi-ply paper bag. 5 kg polyethylene bag.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6.0 - 7.0 liters water / 20 kg powder
1.5 - 1.75 liters water / 5 kg powder
Pot Life: Min. 1 hour
Application Thickness: Max. 5 mm (for single layer)
Consumption: 1.20-1.40 kg/m² (per 1 mm thickness)
Bulk Density: – 1.40 g/cm³
Waiting Time Before Bonding (Ready For Use): 24 hours

Performance Data (at 23°C and 50% RH)
Compressive Strength (TS EN 12190): ≥ 10.0 N/mm² (28 days)
Flexural Strength (TS EN 12190): ≥ 2.5 N/mm²
Tensile Strength (EN 1542): ≥ 0.8 N/mm²
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4004 Tamirart S40
High-Strength Structural Repairing Mortar (R4)

Sulphate and chloride resistant, cement based, thixotropic structural repairing mortar having polymer and fiber addition.

Fields of Application
- Repairing damaged high strength concrete
- Protection of concrete against sulphates and chlorides
- Repairing underwater and substructural concrete members
- Repairing tie-rod holes on concrete structure
- Repairing concrete structures which are subject to sea water
- Repairing surface defects between 5-40 mm thickness at single coat

R4 CE

Non-Structural repair mortar conforming EN 1504 - 3 / Class R4.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.5 - 3.5 liters water / 25 kg powder
Pot Life: Min. 1 hour
Ready For Use: 24 hours
Application Thickness: Min. 5 mm - Max. 40 mm
Consumption: 20 kg/m² (per 10 mm thickness)

Performance Data (at 23°C and 50% RH)
Flexural Strength (TS EN 12190): ≥ 3.0 N/mm² (1 day)
≥ 5.0 N/mm² (7 days)
≥ 7.0 N/mm² (28 days)
Compressive Strength (TS EN 12190): ≥ 20.0 N/mm² (1 day)
≥ 40.0 N/mm² (7 days)
≥ 55.0 N/mm² (28 days)
Modulus of Elasticity (EN 13412): ≥ 20000 N/mm²
Bonding to Concrete (EN 1542): ≥ 2.0 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 2.0 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² $h^{0.5}$
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4005 Tamirart 40
High Performance Structural Repairing Mortar (R3)

Cement based, high performance, fibre added, thixotropic structural repairing mortar.

Fields of Application
- Used for reinforcing all concrete structures,
- Repairing underwater and substructural concrete surface,
- Repairing and levelling at waterproofing, flooring and tiling applications,
- Repairing and levelling at high performance concrete structures.

R3 CE

Non-Structural repair mortar conforming EN 1504 - 3 / Class R3.

General Data
Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 3.5 - 4.5 liters water / 25 kg powder
Thickness: 5-40 mm (per coat)
Pot Life: 60 minutes
Consumption: 1.9 - 2.0 kg / m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)
Mortar Density (powder): 2.1 ± 0.1 g/cm³
Mortar Density (fresh): 2.0 ± 0.1 g/cm³
Flexural Strength (TS EN 12190): ≥ 3.0 N/mm² (1 day), ≥ 5.0 N/mm² (7 days)
≥ 7.0 N/mm² (28 days)
Compressive Strength (TS EN 12190): ≥ 20.0 N/mm² (1 day), ≥ 30.0 N/mm² (7 days)
≥ 40.0 N/mm² (28 days)
Elastic Modulus (EN 13412): ≥15000 N/mm²
Measurement of Bond Strength by Pull Off (EN 1542): ≥ 1.5 N/mm²
Restrained Shrinkage-Expansion (EN 12617-4): 1.5 N/mm²
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m² $h^{0.5}$
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

Performance Repair Solutions

4041 İnce Sıva / Finish Plaster

Finish Plaster Applicable Manually or Mechanically

Cement based finish plaster mortar developed with special additives that is suitable for manual or mechanical application.

Fields of Application

- For providing smooth surface before interior and exterior painting, tiling and insulation of buildings,
- On cementitious render, concrete and smooth concrete surfaces,
- On bricks, pumice concrete, walls and ceilings.

CE

Conforms EN 998-1, Designed, General Purpose Fine Plastering Mortar for Internal and External Use (GP)

General Data

Appearance: Grey and white powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 6- 7 lt water / 25 kg grey powder
6.5 - 7.5 lt water / 25 kg white powder
Thickness: 3 - 10 mm (per layer)
Pot Life: ~4 hours
Consumption: 1.50 kg/m² (for 1mm thickness)

Performance Data (at 23°C and 50% RH)

Bulk Density of Hardened Mortar (EN 1015-10): 1500 ± 100 kg/m³
Compressive Strength of Hardened mortar (EN 1015-11): ≥ 6 N/mm² CS IV
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.4 N/mm²
Water Absorption Coefficient due to capillary: ≤ 0.40 kg/m² dk$^{0.5}$ / Wc1
Capillary Water Absorption – Class: ≤ 0.40 kg/m² min$^{0.5}$ - Wc1
Water Vapour Permeability Coefficient: ≤ 15 (μ)
Working Life (EN 1015-9): ≥ 120 min.
Service Temperature Range (after final cure) (EN 1015-19): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4101 Tamirart EP

Epoxy Based Repair, Anchorage, Assembly Mortar

Epoxy resin based, two-component, solvent-free, thixotropic, structural adhesion, repair, anchorage and assembly material that is resistant to chemicals.

Fields of Application

- Repairs of structural concrete and fractures.
- Fixation of materials such as rails and balustrades.
- To support embedded items, and anchorage pins and bolts.
- Repairs of industrial purpose floors and edges of dilatation joints.
- Filling of holes and voids.
- Mounting of connecting rods and fixation of injection wall plugs.
- Achieving adhesion between and among concrete, stone, metal, wood, mortar, brick, prefabricated concrete, epoxy, polyester, glass, CTP pieces.
- Adhesion of metal profiles onto each other and concrete.
- Adhesion of floor and wall ceramic tiles, natural stone, granite and marble plates.
- Repairs of grouting and static fractures.
- Bonding of Kalekim Dilatation Tape.

CE

Complies with
TS EN 1504-4 standard

General Data

Appearance: Component A: Creme-beige colored paste
Component B: Black liquid
Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.
Packaging: A+B Set 5 kg - Component A: 4 kg - Component B: 1 kg

Application Data

Application Temperature Range: (+10°C) - (+30°C)
Pot Life: 30 minutes at 30°C (Pot life is shortened as the temperature increases.)
Density: Approximately 1.65 g/cm³
Readiness for Traffic: 24 hours at 23°C
Consumption: 1.70 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Bonding Strength on Concrete (EN1542): ≥ 4 N/ mm²
Compression Strength (7-Day) (EN 12808-3): ≥ 60 N/mm²
Elastic Modulus (EN 13414): ~5.400 N/mm²
Change of Volume: Shrink free.
Dangerous Substances: See SDS.

4105 Tamirart SL

Epoxy Based Flowable Adhesive

Epoxy-based, two-component, solvent-free, self-leveling adhesive that increases the adherence between fresh concrete and existing concrete.

Fields of Application

- Bonding between fresh concrete and existing, hardened concrete.
- Protection of the reinforcements against corrosion before the application of structural repair mortars.
- Used as an adhesive for rods on horizontal surfaces and placing anchor elements.

CE

Complies with TS EN 1504-6 standard

General Data

Appearance: Component A: Epoxy resin
Component B: Epoxy resin
A+B : Grey-Fume
Mixed Density: 1.64±0.03
Solid Content: %100
Viscosity: ~10000 mPa.s
Shelf Life: 12 months when stored in the original sealed packing in a cool, dry place.
Packaging: Component A: 3.0 kg
Component B: 1.5 kg
A+B Set: 4.5 kg

Application Data

Mixing Ratio: A:B / 3 kg :1.5 kg
Application Temperature Range: (+10°C) - (+30°C)
Pot Life: 90 minutes
Covering with Feshly Mixed Concrete: Max. 45 minutes
Full Cured (+20 °C): 7 days
Application Thickness: Min. 0.5 mm / Maks. 30 mm
Consumption: 1.60 kg/m² (per 1 mm thickness)

Performance Data (at 23°C and 50% RH)

Compressive Strength (EN 196): ≥ 50.0 N/mm² (1 day)
≥ 100.0 N/mm² (7 days)
Flexural Strength (EN 196): ≥ 30.0 N/mm² (1 day)
≥ 35.0 N/mm² (7 days)
Shear Strength (EN 12003): >15.0 N/mm² (1 day)
Bonding to Concrete (EN 1542): ≥ 3.5 N/mm² (7 days)
Bonding to Steel (EN 1542): ≥ 10 N/mm² (7 days)
Elastic Modulus (EN 13412): > 5000 N/mm² (28 days)
Dangerous Substances: See SDS.
Reaction to Fire: Class E

4201 Mastar 10

Self Leveling Screed

Self leveling flooring compound, smoothing the differences in thicknesses from 2.5 to 10 mm on new and existing interior floors where a high resistance to loads and traffic is required.

Fields of Application

- Leveling concrete slabs and cementitious screeds.
- Under wood, laminate parquet, carpet, PVC, linoleum and ceramic flooring.
- Leveling existing, terrazzo, ceramic and natural stone.
- For floors subject to high loads and heavy traffic like depots against dusting and abrasion.

CE TSE

C20-F4-A22

EN 13813, Class C20-F4-A22

General Data

Appearance: Grey powder
Shelf Life (Component A / B): 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.75-5.25 liters water / 25 kg powder
Pot Life: 20 minutes
Ready for Use: 8 hours (set to light traffic)
24 hours (waiting time before bonding)
48 hours (complete curing)
Consumption: 1.5-1.7 kg/m² (per 1 mm thickness)
Application Thickness: Minimum 1 mm, Maximum 10 mm

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 13813): ≥ 20 N/mm² (28 days) - C20
Flexural Strength (TS EN 13813): ≥ 4 N/mm² (28 days) - F4
Abrasion Resistance (TS EN 13813): ≤ 20 cm³ / 50cm² - A22
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substance: See SDS.
Reaction to Fire: A1

Performance Repair Solutions

4210 Groutart
High-Strength Grout Mortar

Cement based, polymer modified, non-shrink, high fluid, single component grout mortar.

Fields of Application
- Precision of column base plates.
- Prefabricated concrete installation.
- Precision of industrial machines like, generators, pumps, etc.
- Concrete repairing.
- Suitable for interior and exterior applications

R4 CE

Non-Structural repair mortar conforming EN 1504 - 3 / Class R4.

General Data

Appearance: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.5 - 3.5 liters water / 25 kg powder
Pot Life: 30 min
Ready For Use: 24 hours
Application Thickness: Min. 10mm / Max. 150 mm
Consumption: 2 - 2.4 kg of powder (for 1 m^3 mortar)

Performance Data (at 23°C and 50% RH)

Compressive Strength (TS EN 12190): ≥ 30.0 N/mm^2 (1 day)
≥ 70.0 N/mm^2 (28 days)
Flexural Strength (TS EN 12190): ≥ 5 N/mm^2 (1 day)
≥ 7 N/mm^2 (28 days)
Modulus of Elasticity (EN 13412): ≥ 20000 N/mm^2
Bonding to Concrete (EN 1542): ≥ 2.0 N/mm^2
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m^2 $h^{0.5}$
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 2.0 N/mm^2
Service Temperature Range (after final cure): (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4211 Groutart Rapid
Fast Setting High Strength Grout Mortar

Cement based, polymer modified, high strength non-shrink, self compacting, one component ultra fast setting grout mortar.

Fields of Application
- For fixing the manhole covers.
- Repair of concrete which should be needed to open the traffic immediately.
- Fixation of the steel columns on the foundations.
- Fixing the industrial machines on the floor.
- Prefabricated concrete installation.
- Fixation of industrial machines as generators, compressors and pumps, etc. to the ground.
- Suitable for interior and exterior applications.

R4 CE

Non-Structural repair mortar conforming EN 1504 - 3 / Class R4.

General Data

Appearance: Grey powder
Shelf Life: 9 months when stored in the original sealed packing in dry place
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 2.75 – 3.25 lt water / 25 kg powder
Pot Life: 5-20 min.
Ready For Use (20°C): 1 hour
Consumption: 2.30 kg of powder (for 1 m^3 mortar)
Application Thickness: Min. 10 mm, Max. 150 mm

Performance Data (at 23°C and 50% RH)

Flexural Strength (TS EN 12190): ≥ 7.0 MPa (1 day)
≥ 10.0 MPa (28 days)
Compressive Strength (TS EN 12190): ≥ 15.0 MPa (1 hour)
≥ 40.0 MPa (1 day)
≥ 50.0 MPa (7 days)
≥ 70.0 MPa (28 days)
Modulus of Elasticity (EN 13412): ≥ 20 GPa
Bonding to Concrete (EN 1542): ≥ 2.0 MPa
Capillary Water Absorption (EN 13057): ≤ 0.5 kg/m^2 $h^{0.5}$
Restrained Shrinkage-Expansion (EN 12617-4): ≥ 2.0 MPa
Service Temperature Range: (-30°C) - (+80°C)
Dangerous Substances: See SDS.
Reaction to Fire (EN 13501-1): A1

4110 Groutart EP
Epoxy Based Grout Mortar

Epoxy resin based, three-component, solvent-free, chemical resistant, self settling grouting mortar with well graded aggregates.

Fields of Application
- Structural and fracture repairs of concrete.
- Fixation of rails.
- To support embedded items, anchorage pins and bolts.
- Filling of holes and voids.
- Mounting of connecting rods and fixation of injection plugs.
- Anchorage of machinery on concrete.
- Machinery foundations.
- Adhesion of metal profiles onto the concrete.
- In construction of bridges and tunnels.

CE

Complies with TS EN 1504-6 standard

General Data

Appearance: Component A: Clear liquid
Component B: Clear liquid
Component C: Gray powder
Shelf Life (Component A / B): 12 months when stored in the original sealed packing in a dry place.
Packaging: A+B+C Set 12 kg - Component A: 1.6 kg
Component B: 0.4 kg - Component C: 10 kg

Application Data

Application Temperature Range: (+10°C) - (+30°C)
Pot Life: 30 minutes at 30°C
Density: Mix: 2.24 g/cm^3
Component A: 1.14 g/cm^3
Component B: 1.02 g/cm^3
Component C: 2.70 g/cm^3
Application Thickness: Minimum 12 mm, Maximum 50 mm
Consumption: For 1 mm thickness 2.24 kg/m^2

Performance Data (at 23°C and 50% RH)

Shear Adhesion Strength (TS EN 1346):
Concrete (7-days): ~3.5 N/mm^2 (breaking within the concrete)
Steel (7-days): ~20 N/mm^2
Flexural Strength (EN 12808-3): > 30 N/mm^2 1 day, > 35 N/mm^2 7 days
Compressive Strength (EN 12808-3): > 100 N/mm^2 1 day, > 120 N/mm^2 7 days
Modulus of Elasticity: ~20 GPa
Dangerous Substances: See SDS.

4410 Tamirart AC
Corrosion Inhibitor, Adhesion Improver Coating and Primer Mortar

Cementitious, one-component, polymer modified, corrosion inhibitor, adhesion improver coating and primer mortar.

Fields of Application
- Protection of concrete reinforcing rods by corrosion-inhibiting.
- Adhesion improvement of repair mortars.

CE

Certificates of Quality:
Conforms EN 1504 - 7

General Data

Appearance: Red powder
Shelf Life: 12 months when stored in the original sealed packing in dry place
Packaging: 25 kg multi-ply paper bags.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio: 4.5 - 5.25 0liters water / 25 kg powder (brush/roller application)
Pot Life: 60 min
Consumption: 2 kg/m^2 (per 1 mm thickness)
Waiting Time Between Each Coat: 4 - 5 hours
Application Thickness: 1 mm

Performance Data (at 23°C and 50% RH)

Compressive Strength (28 days; EN 196-1): 60 - 75 N/mm^2
Flexural Strength (28 days; EN 196-1): 5 - 10 N/mm^2
Bonding to Concrete (28 days; EN 1542): 1.5 - 2.5 N/mm^2
Resistance to Corrosion: Test passed
Dangerous Substance: See SDS.
Reaction to Fire (EN 13501-1): A1

Performance Repair Solutions

4505 Kalekim Astar
Acrylic Primer

Ready to use, acrylic based primer that increase the capacity to adhere on the surfaces by balancing the absorbency of surfaces.

Fields of Application
- Improving the adhesion of cementitious compounds on concrete, gypsum, ceramic and marble surfaces.
- Treating surfaces against dusting and absorption, prior to ceramic tiling, screeding, waterproofing painting applications.

General Data
Appearance: White liquid.
Shelf Life: 12 months in original sealed packaging
Packaging: 5 lt drum.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Minumum Drying Time: 45 - 60 minutes
Consumption: 150 gr/m²

4506 Kalekim Dolgulu Astar
Smooth Surface Primer

Solvent - free, polymer dispersion based, pigmented primer suitable for new ceramic tile over existing tile.

Fields of Application
- Smooth and dense surfaces such as tile, sandstone, marble, clinker, plywood and also absorbent surfaces such as gypsum, plaster, concrete, screed, wood.

General Data
Appearance: Light blue liquid.
Structure: Polymer dispersion based
Density: Approx. 1.17 g/cm³
Shelf Life: 12 months when stored in the original packaging
Packaging: 1 kg, 3 kg and 5 kg plastic pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: 45 - 60 minutes
Waiting Time After Application: Max. 48 hours
Consumption: 100 gr/m² per coat
(depending on the evenness and the porosity of the surface)

4507 B-Tone
Smooth Concrete Surface Primer

Solvent - free, polymer dispersion based, pigmented, smooth concrete surface primer.

Fields of Application
- For indoor and outdoor applications
- For vertical and horizontal surfaces
- For ceilings
- Adhesion improving primer for the application of gypsum, lime and cement based plasters on smooth concrete surfaces.

General Data
Appearance: Orange
Shelf Life: 12 months when stored in the original packaging
Density: Approx. 1.55 g/cm³
Packaging: 12 and 25 kg plastic pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: 45 - 60 minutes
Waiting Time After Application: Min. 24 hours
Mixing Ratio: 4.0-6.0 liters water / 12 kg B-Tone
Consumption: 150-250 gr/m² per coat
(depending on the evenness and the porosity of the surface)
Thickness of Application: Min. 0.20 mm / Max. 0.40 mm

4510 Gypsastar
Anhydrite Surface Primer

Ready to use acrylic based primer.

Fields of Application
- Treatment of anhydrite screeds and building boards prior to tiling using cementitious adhesives.
- Treatment of plaster, plaster slabs, gypsum fiber boards, plaster boards, concrete, render and brickwork prior to ceramic tiling using cementitious adhesives.
- Treatment of cementitious substrates prior to the application of self leveling compounds and other mortars and anhydrite screeds.
- For treating surfaces against dusting and absorption, prior to ceramic tiling, screeding, waterproofing painting applications.
- Suitable for interior, exterior, vertical and horizontal applications.

General Data
Appearance: Blue, low viscosity liquid.
Density: 1.01
Shelf Life: 12 months in original sealed packaging
pH: 7-8
Packaging: 5 lt drum.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: 80 - 120 minutes
Consumption: 140 - 160 gr/m² undiluted

Final Performance
Resistance to Moisture: Good
Flexibility: Good

Surface Preparation Materials Product Usage Table

		Kalekim Primer	Kalekim Smooth Surface Primer	B-Tone	Gypsastar	Tamirart AC	İnce Sıva / Finish Plaster	Tamirart 5	Tamirart W	Tamirart 30	Tamirart 40	Tamirart S40	Mastar 10	Groutart	Groutart Rapid	Tamirart EP	Tamirart SL	Groutart EP
Primer	Higly absorbent surfaces	●			●													
	Shiny/ceramic tile covered surfaces		●															
	Smooth concrete surfaces			●														
	Gypsum surfaces	●		●	●													
	Anhytdrite gypsum surfaces				●													
	Metal concrete reinforcements					●											●	
	Fresh and Existing Concrete																●	
Repair	Surface deformatons of 1-10 mm depth							●	●									
	Surface deformatons of 5-30 mm depth									●								
	Surface deformatons of 5-40 mm depth										●	●						
	Surface deformations on load bearing elements (structural repairing)										●	●				●	●	
	Seggregation deformations on concrete surfaces										●	●						
	Tie-rod hole filling											●				●	●	
	Smooth surface preparation before painting						●		●									
	Surface deformations in the areas subject to sulphate, chlorine, and salt											●						
Levelling	Levelling before PVC, carpet, parquet, wooden or tile covering												●					
	Smoothening of concrete and screed surfaces												●					
Grout	Fixing steel columns to foundation													●				●
	Machinery basements													●				●
	Concrete repairing													●		●	●	
	Reparing manholes														●			●
	Connection of prefabricated building elements													●		●	●	

Renewal is in its Chemistry!

Cleaning, care, protection!

Surface Cleaning & Maintenance Products

Products

Seracare Cement Remover
Seracare Stain Remover
Seracare Grout Cleaner
Seracare Surface Protector
Seracare Grout Paint
Seracare Grout Fix

Surface Cleaning & Maintenance Products

8201 Seracare
Cement Remover

Acid based cleaner to quickly remove cement residues without releasing harmful fumes.

Fields of Application
• Cleaning off residues of cement-based products used as adhesives or for grouting ceramic surfaces.
• Cleaning cement and lime stains from the surfaces of ceramic tiles, terracotta, clinker, rustic furnishing, oven stone, natural stones, granite ceramic, porcelain ceramic and glazed ceramics on walls and floors.
• Cleaning off slight rust stains.

General Data
Appearance: Transparent liquid
pH: < 1
Shelf Life: 12 months in original sealed packaging.
Packaging: 1 lt plastic bottles.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio (Cement Remover/Water): 1/1 - 1/5
Consumption: 1 lt / 20 - 100 m² (Depending on the amount of cement residue)

8202 Seracare
Stain Remover

Non acidic cleaning agent for removing difficult stains such as coffee, oil, juices from granite, marble and terrazzo.

Fields of Application
• Removing difficult stains such as coffee, wine, oil, soft drinks from polished or unpolished surfaces such as marble, ceramic, granite, rustic ceramic, cotto, non-acid resistant stones, clinker and grouts.

General Data
Appearance: Transparent liquid
pH: > 13.5
Shelf Life: 12 months in original sealed packaging.
Packaging: 1 lt plastic bottles.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio (Cement Remover/Water): 1/1 - 1/5
Consumption: 20 - 100 m² (Depending on the intensity and type of stain)

8203 Seracare
Grout Cleaner

Organic based cleaning agent for removing dirt, lime and detergent residues from ceramic, porcelain ceramics and grouts without any damage.

Fields of Application
• Removing dirt, lime and detergent residues from ceramic, porcelain ceramics and grouts.
• Not useful for marble, granite and natural stones.

General Data
Appearance: Transparent liquid
pH: < 1
Shelf Life: 12 months in original sealed packaging.
Packaging: 500 ml sprayable plastic bottles.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Consumption: 1 lt/20-100m² (Depending on the intensity and type of dirt)

8251 Seracare
Surface Protector

UV resistant, solvent based, ready to use surface protection material with excellent penetrating capacity.

Fields of Application
• Water, damp, dust and stain proofing of all types of porous materials such as concrete, cotto, clinker, ceramic, granite ceramic, brick, natural stones, terrazzo etc. and grouts for both indoor and outdoor applications, thanks to its water repellent property.
• Treating cotto and other highly porous tiles before laying with cement adhesives or before grouting leads much easier cleaning of the finished floor.

General Data
Appearance: Transparent liquid
pH: > 11
Shelf Life: 12 months in original sealed packaging.
Packaging: 1 lt plastic bottles.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: 4-5 hours
Consumption: 1 lt/20 - 100 m² (Depending on the porosity of the surface)

8271 Seracare
Grout Paint

Acrylic emulsion based, silicone enhanced easy clean, ready-to-use paint for internal areas which is quickly and easily applied to rejuvinate, refresh and modify the colour of cementitious grout between tiles.

Fields of Application
• Can be used to renew the dirty and worn grout colours between tiles, porcelains, ceramics, granite, etc. in areas such as bathrooms, toilets, kitchens.
• Seracare Grout Paint is used to eliminate irregularities in the colour of grout and stains caused during use.

General Data
Appearance: White, Grey, Cappadocia Beige paint
Density: 1,28 g/cm³
Shelf Life: 24 months when stored in the original sealed packing in a dry place.
Packaging: 160 gr plastic tube
12 pieces / box

Application Data
Application Temperature: (+5°C) - (+35°C)
Waiting time before cleaning the tiling with water: 24 hour
Ready for foot traffic: ~2 hour

8272 Seracare
Grout Fix

Acrylic resin based, silicone enhanced, flexible, non-cracking and collapsing joint grout repair paste suitable for 1-6 mm joint gaps that can be used in interiors.

Fields of Application
• Filling and repairing of cracked or blackened joints grouts of tiles porcelains, ceramics, glass mosaics of all sizes on the walls and floors of bathrooms, balconies and kitchens.

General Data
Appearance: White paste
Shelf Life: 24 months when stored in the original sealed packing in a dry place.
Packaging: 350 gr plastic tube
12 pieces / box

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Setting Time in Joint: 10-15 minutes
Ready to foot traffic: ~4 hour

Flexibility is in its Chemistry!

Conformity, endurance, ease!

Sealants & Grabs

Products

Kalemastik
Kalesilikon
Kalesilikon Plus
Kalesilikon NS
Kalepolymas
Kalepolymas MS
Technobond PU
Technobond MS
Kalefoam

Sealants & Grabs

8001 Kalemastik
Acrylic Sealant

Easy to apply, paintable, elastic, acrylic based mastic.

Fields of Application
• Fixing and sealing of joints and cracks in construction elements.
• Sealing aluminum, wood and PVC frames.

General Data
Appearance: White paste
Density: 1.70 g/cm³
Shelf Life: 24 months in original sealed packaging.
Packaging: 310 ml. cartridge
280 ml. cartridge

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 3.5 mm / 1 day
Skin Formation Time: 10 - 15 minutes at room temperature

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 35-40
Service Temperature Range (after final cure): (-10°C) - (+80°C)

CE
Conforms EN 15651-1: F-EXT-INT. 7.5 P

8011-8015 Kalesilikon
Bathroom and Kitchen Silicone Sealant

Moisture curing, non-sagging formulation, easy to apply general purpose silicone sealant.

Fields of Application
• Fixing, sealing and filling of joints of sanitary ware like baths, sinks, showers, kitchen, furniture.
• Fixing and sealing of construction elements made of glass, metal and PVC.

General Data
Appearance: White, Transparent color
Density: 0.98 ± 0.03 g/cm³
Shelf Life: 24 months in original sealed packaging.
Packaging: 280 ml. cartridge
310 ml. cartridge
280 gr cartridge

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 2 mm / day
Skin Formation Time: 10 - 15 minutes

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 15 ± 2
Modules at 100% Elongation (EN ISO 8339): > 0.40 N/mm²
Tensile Strength at Breaking Point (ISO 8339): > 2 N/mm²
Elongation at Breaking Point (ISO 8339): > 500%
Resistance to Flow (ISO 7390): ≤ 3 mm
Service Temperature Range (after final cure): (-40°C) - (+100°C)

CE
Conforms EN 15651-3: S: Class XS

8017 Kalesilikon Plus
Shower Cabin Silicone

Solvent free silicone sealant which is specially formulated for use in production and installation of shower cabins which shows excellent adhesion, durability and mold resistant properties.

Fields of Application
• Filling joints between tiles, bathtub and shower cabin during installation.
• Sealing joints of tiles for waterproofing.
• Filling and sealing the gaps between the shower cabin, tub and tiles during the shower cabin installation.

General Data
Appearance: Transparent and White color silicone sealant
Density: 1.02 ± 0.03 g/cm³
Shelf Life: 24 months in original sealed packaging.
Packaging: 310 ml cartridge / 24 cartridges in box.

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Time: Min.3 mm/day
Skin Formation Time: 7-13 min.

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 24-30 (after 28 days)
Change in Volume (%) (ISO 10563): ≤ 10
Tensile Strength (ISO 8339): ≥ 0.4 N/mm²
Elongation at Break (ASTM D412): ≥ 250%
Elastic Recovery (ISO 7389): Approx. 100%
Resistance to Flow (ISO 7390): < 3 mm
Temperature Resistance: (-50°C) - (+200°C)

CE
Conforms EN 15651-3: S: Class XS

8018 Kalesilikon NS
Neutral Facade Silicone

Neutral cure, premium performance silicone sealant formulated for weather sealing and glazing application.

Fields of Application
• Premium weather sealing and joint sealing for walls, windows and doors.
• Sealing of connection and expansion joints.
• Sealing applications of marble, stone and other porous substrates.
• Sealing and mounting the window and door frames.

General Data
Appearance: Transparent and White color neutral silicone sealant
Density: 1.33 ± 0.03 g/cm³
Shelf Life: 12 months in original sealed packaging.
Packaging: 310 ml cartridge / 24 cartridges in box

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Time: Min. 2.5 mm/day
Skin Formation Time: 13 min.

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 25 ± 5 (after 28 days)
Elongation at Break (ASTM D412): ≥ 200%
Resistance to Flow (ISO 7390): ≤ 3 mm
Loss of Volume (ISO 7390): ≤ 10%
Temperature Resistance: (-50°C) - (+150°C)

CE
EN 15651-1: F-EXT-INT-CC

8021 Kalepolymas
Polyurethane Sealant

One-component flexible polyurethane sealant for expansion joints.

Fields of Application
• Sealing of expansion joints in building materials.
• Vertical and horizontal sealing of prefabricated construction materials.
• Sealing floor joints in ceramic and porcelain floor tiles in areas subject to heavy traffic.
• Flexible sealing around pipelines, outlets, and drains made of metal, wood, PVC.
• Sealing of expansion joints of internal and external places subject to movement up to 25% in supermarkets, car parks, shopping centers, warehouses.

General Data
Appearance: Grey or White color paste
Shelf Life: 12 months in original sealed cartridges and sausage.
Packaging: 310 ml cartridge / 12 cartridges in box
600 ml sausage / 20 sausages in box

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 2.5 mm / 24 hours
Tack Free Time: 60 - 90 minutes

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 30 ± 5
Modules at 100% Elongation (EN ISO 8339): ≤ 0.40 N/mm²
Elongation at Breaking Point (ISO 8339): > 600%
Elastic Recovery (ISO 7389): ≥ 70%
Loss of Volume: ≤ 10%
Movement Capability (EN 11600): ≤ 25%
Resistance to Flow (EN ISO 7390): ≤ 3 mm
Service Temperature Range (after final cure): (-30°C) - (+80°C)

CE
Conforms EN 15651-1:F-EXT-INT-CC.

8022 Kalepolymas MS
MS Polymer Based Joint Selant

MS polymer based, multipurpose, single component, elastic joint sealant suitable for indoor and outdoor applications which can withstand extreme joint movements.

Fields of Application
• Expansion and connection joints in the construction industry
• Suitable for indoor and outdoor, horizontal and vertical joints
• Parapet corner joints of roofs and terraces
• Sealing of joints in prefabricated buildings
• Movement joints in high rise constructions
• Sealing between window and door frames

General Data
Appearance: White, Black and Grey colour sealant
Density: 1.38 ± 0.03 gr/ml
Shelf Life: 12 months in original sealed packaging.
Packaging: 290 ml cartridge /12 cartridges in box, 600 ml sausage / 20 sausages in box

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Rate: 2.5 mm / 24 hr
Tack Free: Approx. 60 min

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 25 ± 5
Elongation at Break % ASTM D412: ≥ 250%
Volume Loss: < 10%
Tensile Strength ASTM D412: ≥ 1 N/mm²
Resistance to Flow (EN ISO 7390): < 3 mm
Temperature Resistance: (-40°C) - (+90°C)

CE
EN 15651-2 : G-CC 20 LM
EN 15651-1 : F-EXT-INT-CC

Sealants & Grabs

1401 Technobond PU
Polyurethane Adhesive and Sealant

One component, multi-purpose, elastic polyurethane adhesive and sealant.

Fields of Application
- Horizontal and vertical bonding of various construction materials such as ceramic, wood, gypsum board, steel, aluminum, fibre cement on substrates such as concrete, ceramic, aluminum, wood.
- Bonding of prefabric construction materials.
- Bonding of facade panels like ceramic, granite ceramic, KALESINTERFLEX® to metal construction.
- Sealing of expansion joints of internal and external places subject to movement up to 20% in supermarkets, car parks, shopping centers and warehouses.

CE

Conforms EN 15651-1:F-EXT-INT-CC.

General Data
Appearance: Grey colored polyurethane adhesive and sealant
Shelf Life: 12 months when in original sealed cartridges and sausages.
Packaging: 310 ml cartridge /12 cartridges in box, 600 ml sausage / 20 sausages in box

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Curing Time: 3 mm / 24 hours
Skin Formation Time: 60 - 90 minutes
Tack Free Time: 60 minutes

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 40 - 45
Modules at %100 Elongation (EN ISO 8339): > 0.40 N/mm²
Tensile Strength (ISO 8339): > 0.60 N/mm²
Elongation at Breaking Point (ISO 8339): > 500%
Elastic Recovery (ISO 7389): ≥ 70%
Movement Capability (ISO 11600): 25%
Resistance to Flow (EN ISO 7390): ≤ 3 mm
Service Temperature Range (after final cure): (-30°C) - (+80°C)

1404 Technobond MS
MS Polymer Adhesive

MS polymer-based, one component, high quality and professional adhesive with high adhesion strength and initial tack.

Fields of Application
- It is suitable for elastic bonding of panels, profiles and other pieces on the most common substrates such as stone, concrete, ceramic, copper, lead, zinc, aluminium, metals, R.V.S., wood, HPL and cement fibre panels etc.
- For fixing of;
  - Wall cladding elements and ceiling panels,
  - Sound isolation panels (mineral wool, wood-wool cement & plastic foams),
  - Thermal insulation boards,
  - Wooden and plastic laths, ornaments and frames,
  - Doorsteps, window sills, skirting boards and cover plates

General Data
Appearance: White, Black or Grey coloured adhesive
Density: 1.49 ± 0.03 gr/ml
Shelf Life: 9 months in original sealed packaging.
Packaging: 290 ml cartridge / 12 cartridges in box, 600 ml sausage / 20 sausages in box

Application Data
Application Temperature Range: (+5°C) - (+40°C)
Tack Free: 15-20 min.
Curing Rate: Approx. 3.5 mm/24 hr

Performance Data (at 23°C and 50% RH)
Hardness Shore A (DIN 53505): 55 ± 5
Elongation at Break % ASTM D412: ≥ 300%
Volume Loss: < 10%
Tensile Strength ASTM D412: ≥ 3 N/mm²
Resistance to Flow (EN ISO 7390): ≤ 3mm
Temperature Resistance: (-40°C) - (+90°C)

8101 Kalefoam
Polyurethane Foam

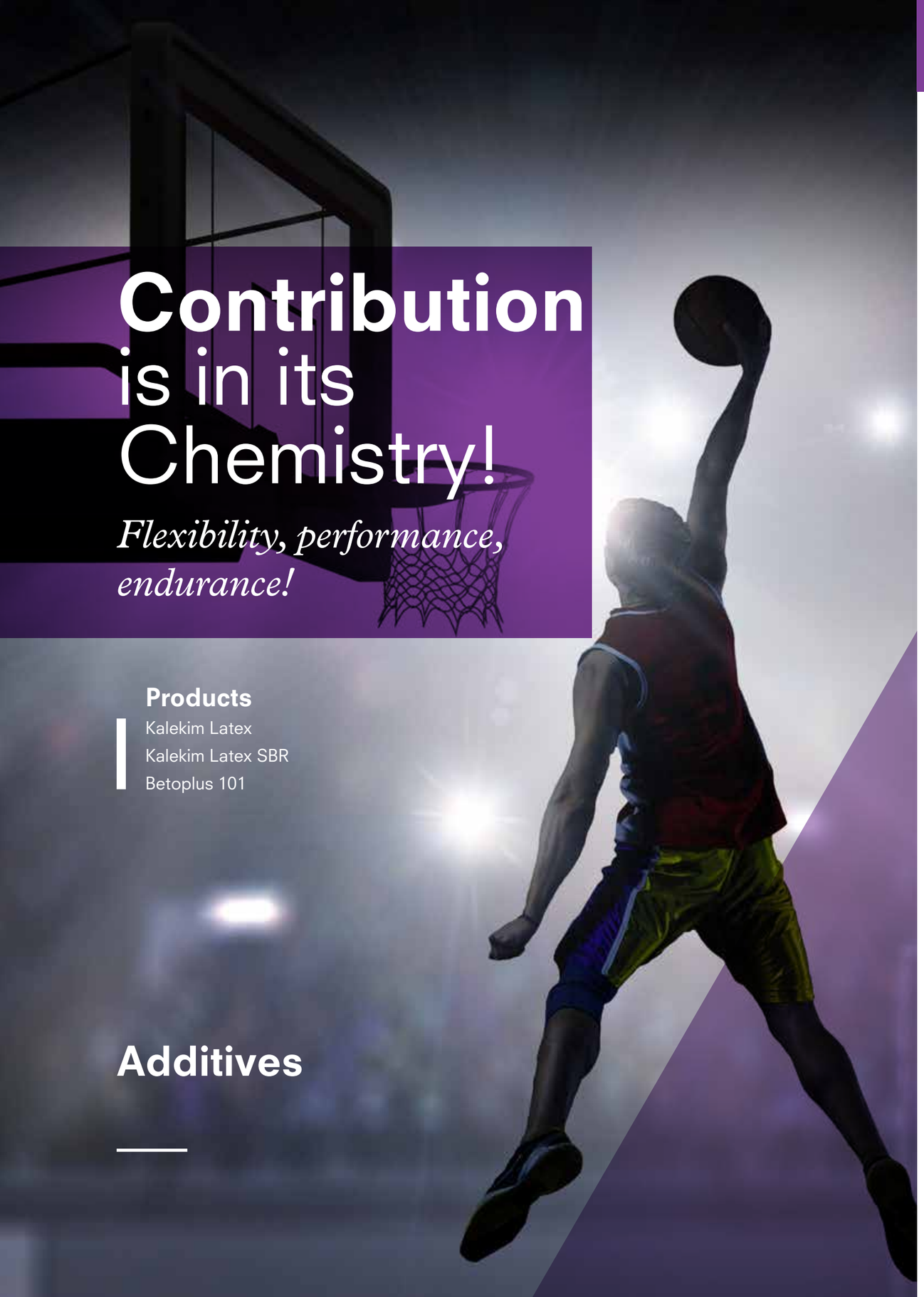
Single component, moisture curing multipurpose polyurethane foam that cures to a semi-rigid structure within 2 - 4 hours.

Fields of Application
- Fixing door and window frames made of wood, metal and other materials.
- Fixing and isolating electrical installations and water pipes.
- Filling and insulating large cracks, jointing and holes.

General Data
Composition: Polyurethane foam
Appearance: Yellow foam
Shelf Life: 12 months in original sealed packaging.
Packaging: 750 ml tubes.

Application Data
Application Temperature Range: (+5°C) - (+25°C)
Free Rise Density: ~25 kg/m³
Ready to Cutting: < 10 minutes (20 mm thickness)

Performance Data (at 23°C and 50% RH)
Thermal Conductivity (DIN 53455): 0.04 W/mK
Tensile Strength: ~18 N/cm²
Shear Strength: ~8 N/cm²
Compressive Strength: ~20 N/cm²
Flexural Strength: ~5 N/cm²
Water Absorption: 0.3 % (by volume)
Dimensional Stability: ≤ 10 %
Consumption: Can be controlled with pressure and angle of valve.)
Yield: ~45 lt
Service Temperature Range (after final cure): (-40°C) - (+100°C)



Contribution is in its Chemistry!

Flexibility, performance, endurance!

Products

Kalekim Latex
Kalekim Latex SBR
Betoplus 101

Additives

Additives

5005 Kalekim Latex
Liquid Waterproofing Mortar Additive

Water dispersion of a synthetic elastomer for improving workability and water impermeability when mixed with cementitious mortars like renders, screeds, repair mortars and adhesive slurries.

Fields of Application
• As an admixture to improve flexibility, adhesion, water impermeability characteristics of cementitious mixes for screeds, renders, repair mortars, adhesive slurries.

General Data
Appearance: White liquid
Shelf Life: 12 months in original sealed package
pH: 8 - 10
Density: 1.03 ± 0.03 g/cm³
Packaging: In drums of 5 lt or 30 lt or 200 lt barrel

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio (Latex/Water): 1:1 - 1:4 (depending on the application)
Consumption: Varies with application

5004 Kalekim Latex SBR
Liquid Waterproofing Mortar Additive

Water dispersion of a synthetic elastomer for improving workability and water impermeability when mixed with cementitious mortars like renders, screeds, repair mortars and adhesive slurries.

Fields of Application
• As an admixture to improve flexibility, adhesion, water impermeability characteristics of cementitious mixes for screeds, renders, repair mortars, adhesive slurries.

General Data
Appearance: White liquid
Shelf Life: 12 months in original sealed package
pH: 8 - 10
Density: 1.00 ± 0.02 g/cm³
Packaging: In drums of 4 lt

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixing Ratio (Latex/Water): No dilution or 1:1 (depending on the usage)
Consumption: Varies with usage area and purpose

5101 Betoplus 101
Waterproofing Admixture

Ready to use waterproofing powder admixture for cement/sand mortars.

Fields of Application
Used as an admixture for waterproofing of;
• Cementitious renders and mortars exposed to water and humidity.
• Renders for exterior applications.
• Flooring mortars under ceramic tiling.
• Concrete basins of potable water, foundations, retaining walls, basement walls.

General Data
Appearance: White powder
Shelf Life: 12 months when stored in original packaging at temperature
Packaging: 330 g polyethylene bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Consumption: 330 g powder for 1 paper bag (50 kg) cement, min. 300 kg/m³ mortar

Resilience is in its Chemistry!

Endurance, protection, aesthetic!

Technical Building Solutions

Products

Tecnica 22 CW
Tecnica 64 LS
Tecnica 32 DS
Tecnica 34 DS
Tecnica 132
Tecnica 142
Tecnica 152
Tecnica 162
Tecnica 352
Tecnica 552
Tecnica 542
Tecnica 242 SL
Tecnica 332
Tecnica 342 OP
Tecnica 3400
Tecnica 4100
Tecnica 3220 WP
Tecnica 3250 WP
Tecnica 911 WP
Tecnica 922 WP
Tecnica 923 WP

Technical Building Solutions

Tecnica 22 CW
Acrylic Emulsion Based Curing Material

Acrylic emulsion based, curing material to be applied after concrete, screed and cementitious surface hardener applications which prevents the water evaporation and reduces the risk of shrinkage and crack formation by forming film on the surface.

Fields of Application
- Suitable for interior and exterior applications.
- Applicable over concrete substrates, screeds and cementitious surface hardener applied surfaces.
- Suitable for low relative humidity and high air current conditions.
- Convenient for curing process of vertical and horizontal building elements.

General Data
Appearance / Colours: White liquid
Shelf Life: 12 months
Consumption: 0.15-0.25 kg/m²
Application Temperature: (+5°C) - (+35°C)
Density: ~1 kg/l
Packaging: 30 kg plastic drums.

Tecnica 64 LS
Lithium Silicate Based Liquid Surface Hardener

Water based, VOC free, lithium silicate liquid hardener and densifier that impregnates new or existing concrete surfaces and provides dust free finish.

Fields of Application
- It is used indoors and outdoors,
- On old /new concrete and cement based surfaces,
- On floors of industrial plants where no dusting is desired,
- Hangar and workshops,
- Garages and parking lots,
- Warehouses,
- Areas subject to tire wheel vehicle traffic.

General Data
Appearance / Colours: Transparent liquid
Shelf Life: 24 months in unopened package in dry environment
Density: 1.13 g/cm³
Drying Time: 4-6 hours
Consumption: 100-200 ml/m² (old concrete) / 80-100 ml/m² (new concrete)
Temperature of the Application Surface: (+5°C) - (+35°C)
Solid Content Ratio: 17%
Abrasion Resistance (Böhme Test Method): < 3 cm³ / 50 cm²
Packaging: 30 lt plastic drums.

Tecnica 32 DS
Quartz Aggregate Surface Hardener

Cementitious, quartz aggregate containing dry shake, ready to use surface hardener for the surfaces exposed to medium-heavy wear.

Fields of Application
- Suitable for interior and exterior applications.
- Industrial building floors.
- Maintenance workshops and hangers.
- Garages and carparks.
- Storage areas.
- Loading areas.
- Areas exposed to tire wheeled vehicle traffic.

CE
Conforms EN 13813
TS EN 1504-2

General Data
Appearance / Colours: Red/Green/Gray/Natural/Black color powder
Shelf Life: 12 months
Consumption: 4 - 6 kg/m²
Surface Temperature: (+5°C) - (+35°C)
Compressive Strenght (28 days, EN 196-1): 75 N/mm²
Abrasion Resistance (28 days, Böhme Test Method): ≤ 2.5 cm³ / 50 cm²
Packaging: 25 kg multi-ply paper bags.

Tecnica 34 DS
Corundum Aggregate Surface Hardener

Cementitious, corundum and specially selected aggregate mix containing dry shake, ready to use surface hardener for the surfaces exposed to medium-heavy wear.

Fields of Application
- Suitable for interior and exterior applications.
- Industrial building floors.
- Maintenance workshops and hangers.
- Garages and carparks.
- Storage areas.
- Loading areas.
- Areas exposed to tire wheeled vehicle traffic.
- Airplane hangers.
- Helicopter landing areas.

CE
Conforms EN 13813
TS EN 1504-2

General Data
Appearance / Colours: Red/Green/Gray/Natural color powder
Shelf Life: 12 months
Consumption: 4 - 8 kg/m²
Surface Temperature: (+5°C) - (+35°C)
Compressive Strenght (28 days, EN 196-1): > 80 N/mm²
Abrasion Resistance (28 days, Böhme Test Method): ≤ 2 cm³ / 50 cm²
Packaging: 25 kg multi-ply paper bags.

Tecnica 132
Epoxy Based, Two Component, Solvent Free Primer

Two component, low viscosity, solvent free, epoxy based primer.

Fields of Application
- Priming concrete substrates, cement screeds and epoxy mortars
- Normal to strongly absorbent surfaces
- Primer for all Tecnica epoxy floorings
- Binder for repair, levelling mortars and mortar screeds

CE
Conforms TS EN 1504-2

General Data
Appearance/Colours: Component A: Transparent liquid
Component B: Brownish liquid
Shelf Life: 24 months in original sealed packaging.
Mixing Ratio (A/B): 16.3 kg / 3.7 kg
Mixture Density: ~1.46 g/cm³
Packaging: Component A: 16.3 kg containers, Component B: 3.7 kg containers, Components A+B: 20 kg ready to mix units.

Application Data
Consumption: 0.3 - 0.6 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life (23 °C): ~25 minutes
Overcoatibility (+20°C): 12 hours
Final Curing (+20°C): 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ~75
Compressive Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~30 N/mm²
Flexural Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~10 N/mm²
Bond Strength (EN 4624): > 1.5 N/mm² (failure in concrete)

Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Tecnica 142
Epoxy Primer, Levelling Mortar, Mortar Screed

Two component, low viscosity, solvent free, epoxy based primer.

Fields of Application
- Priming concrete substrates, cement screeds and epoxy mortars
- Normal to strongly absorbent surfaces
- Primer for all Tecnica epoxy floorings
- Binder for repair, levelling mortars and mortar screeds

CE
Conforms TS EN 1504-2

General Data
Appearance/Colours: Component A: Transparent liquid
Component B: Brownish liquid
Shelf Life: 24 months when stored in original sealed packaging.
Mixing Ratio (A/B): 13.9 kg / 6.1 kg
Mixture Density: App. 1.10 g/cm³
Packaging: Component A:13.9 kg containers, Component B: 6.1 kg container, Components A+B: 20 kg ready to mix units.

Application Data
Consumption: 0.3 - 0.5 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life (23 °C): ~20 minutes
Overcoatibility (+20°C): 12 hours
Final Curing (+20°C): 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ~75
Compressive Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~35 N/mm²
Flexural Strength (Mortar with silica sand by a ratio of 1 to 9, 7 days, EN 196-1): ~15 N/mm²
Bond Strength (EN 4624): > 2 N/mm² (failure in concrete)

Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Technical Building Solutions

Tecnica 152
Moisture Tolerant Epoxy Primer

Two component, low viscosity, solvent free, epoxy based primer can be applied on dry, moist or wet concrete and mineral surfaces.

Fields of Application
- Priming concrete substrates, cement screeds and epoxy mortars,
- Normal and strongly absorbent surfaces,
- Moist and wet surfaces as a moisture barrier,
- Primer for all Tecnica epoxy floorings and Izopur polyurethane waterproofing systems,
- Binder for repair, levelling mortars and mortar screeds,

CE
Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Transparent liquid
Component B: Brownish liquid
Chemical Structure: Solvent free epoxy resin
Shelf Life: 24 months when stored in original sealed packaging.
Pot Life (23°C): 40 minutes
Mixing Ratio (A/B): 13.1 kg / 6.9 kg
Mixture Density: ~1.10 g/cm³
Packaging: Component A: 13.1 kg containers, Component B: 6.9 kg containers, Components A+B: 20 kg ready to mix units.

Application Data
Consumption: 0.3 - 0.5 kg/m²
Surface Temperature: 10 - 30 °C
Overcoatibility (+20°C): 12 - 24 hours
Final Curing (+20°C): +10°C 10 days / +20°C 7 days / +30°C 4 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ~75
Bond Strength (EN 4624): > 1.5 N/mm² (failure in concrete)

Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Tecnica 162
Multipurpose Epoxy Based Primer

Two-component, solvent-free, epoxy-based primer which can be used under waterproofing materials and floor coverings and is resistant to chemicals due to its phenalkamine curing properties.

Fields of Application
- Over concrete substrates, cement screeds,
- As a primer under Tecnica floor coatings,
- As a primer under polyurethane floor coatings,
- As a primer under polyurethane/polyurea waterproofing systems,
- As a primer under self-leveling floor screeds and decorative floor coatings,
- With the addition of the appropriate amount of silica sand, it can be used as a repair mortar.

CE
Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Transparent liquid
Component B: Amber colored liquid
Shelf Life: 24 months when stored in the original sealaed packaging
Mixing Ratio (A/B): 12.36 kg / 5.64 kg
Mixture Density (A+B): ~ 1,10 ± 0,02 kg/lt
Packaging: Component A: 12,36 kg container, Component B: 5.64 kg container, Components A+B: 18 kg ready to mix units

Application Data
Surface Temperature: (+10°C) - (+30°C)
Working Time: Maximum 25 minutes
Overcoatibility (20°C): 8 hours
Final Cure (+20°C): 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 75
Compressive Strength
(Mortar with sand by a ratio of 1:9, 7 days, EN 196-1): ≥ 30 N/mm²
Flexural Strength
(Mortar with silica sand by a ratio of 1:9, 7 days, EN 196-1): ≥10 N/mm²
Bond Strength (EN 4624): ≥ 2 N/mm² (failure in concrete)

Tecnica 352
Epoxy Based Two Component Protective Top Coating

Epoxy resin based two component, solvent free, top coating that protects concrete and steel.

Fields of Application
- Over concrete substrates, cement screeds,
- Normal-medium wear and chemical exposure areas,
- Metal or concrete tanks,
- Potable water reservoirs,
- Car parks and maintenance workshops,
- Food and beverage industries,
- Pharmaceutical and hospital laboratories,
- Production, packaging and storage areas,
- Used as a top coat in vertical applications with its thixotropic formulation that does not run down on the wall.

CE
Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid
Component B: Transparent liquid
Shelf Life: 12 months when stored in the original sealaed packaging
Mixing Ratio (A/B): 17.0 kg / 3.0 kg
Mixture Density: ~1.60 g/cm³
Packaging: Component A: 17.0 kg containers, Component B: 3.0 kg containers, Components A+B: 20 kg ready to mix units.

Application Data
Consumption: ~0.3 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life: 60 minutes (depending on the amount)
Initial Cure (23 °C): 12 hours
Final Curing: 7 days
Dry Film Thickness: 125-250 microns (each layer)

Performance Data (at 23°C and 50% RH)
Bond Strength (EN 4624):
Bonding to Concrete (EN 1542): > 2,5 N/mm² (7 days)
Bonding to Steel (EN 1542): > 2,5 N/mm² (7 days)
Flexural Strength: ~35 N/mm² (7 days)
Compressive Strength: ~60 N/mm² (7 days)

Tecnica 552
PU - Water Based Matt Appearance Transparent Coating

Two-component, water-based, aliphatic, transparent polyurethane protector and final coat coating material that provides matt appearance and increases resistance to abrasion.

Fields of Application
- On interior walls and floors.
- On all flooring surfaces as a final coat in epoxy and polyurethane flooring systems.
- On cement-based, coloured decorative floor coatings and totally cured Artcrete applied surfaces.

CE
Conforms EN 13813

General Data
Structure: Component A: Reactive Hydroxyl Acrylic Dispersion
Component B: Aliphatic Isocyanate
Appearance/Colours: Component A: White Liquid
Component B: Transparent Liquid
Shelf Life: 9 months when stored in the original sealed packaging.
Packaging: Component A: 2.5 kg plastic drum,
Component B: 0.5 plastic bottle
Set of 3.0 kg

Application Data
Mixing Ratio (A/B): 2.5:0.5 (A:B percentage by weight)
Mixing Density (A+B): ~1.06 g/ml
Mixing Viscosity (A+B): 165 mPa.s
Consumption: 0.1-0.2 kg /m² (one coat)
Waiting Time Between Coats: 2-4 hours
Touch Dry: 30-50 minutes
Set to Light Traffic: 10-12 hours
Final Curing: 7 days

Performance Data (at 23°C and 50% RH & On Tecnica 242 SL)
Bond Strength (EN13813): B2
Impact Resistance (EN 13818): IR10
Abrassion Resistance (Taber Test)(EN 1504-2): < 80 mg (CS17,1000gr, 1000 cycles)
Glossy Factor(20/60/85) (ISO 2813): 0.4 / 3.6 / 36.5
Water Vapor Permeability (EN ISO 7783- 1 EN ISO 7783- 2): Class 1 sd < 5m
Tensile Adhesion Strength (EN 1542): >1.5

Tecnica 542
PU - Water Based Glossy, Transparent Coating Material

Two-component, water-based, aliphatic, transparent polyurethane protector and final coat coating material that provides glossy appearance and increases resistance to abrasion.

Fields of Application
- On interior walls and floors.
- On all flooring surfaces as a final coat in epoxy and polyurethane flooring systems.
- On cement-based, coloured decorative floor coatings and totally cured Artcrete applied surfaces.

CE
Conforms EN 13813

General Data
Structure: Component A: Reactive Hydroxyl Acrylic Dispersion
Component B: Aliphatic Isocyanate
Appearance/Colours: Component A: White Liquid
Component B: Transparent Liquid
Shelf Life: 9 months when stored in the original sealed packaging.
Packaging: Component A: 2.5 kg plastic drum,
Component B: 0.5 plastic bottle
Set of 3.0 kg

Application Data
Mixing Ratio (A/B): 2.5:0.5 (A:B percentage by weight)
Mixing Density (A+B): ~1.03 g/ml
Mixing Viscosity (A+B): 165 mPa.s
Consumption: 0.1-0.2 kg/m² (one coat)
Waiting Time Between Coats: 2-4 hours
Touch Dry: 30-40 minutes
Set to Light Traffic: 10-12 hours
Final Curing: 7 days

Performance Data (at 23°C and 50% RH)
Bond Strength (EN13813): B1,5
Impact Resistance (EN 13818): IR10
Abrassion Resistance (Taber Test)(EN 1504-2): < 100 mg (CS17,1000gr, 1000 cycles)
Glossy Factor (20/60/85) (ISO 2813): 60 / 85 / 92
Water Vapor Permeability (EN ISO 7783- 1 EN ISO 7783- 2): Class 1 sd < 5m
Tensile Adhesion Strength (EN 1542): >1.0

Tecnica 242 SL
Epoxy Based, Solvent Free, Two Component, Self Levelling and Broadcast System

Two component, solvent free, epoxy based self levelling and broadcast system coating material.

Fields of Application
- On concrete substrates
- Areas subject to normal-medium heavy mechanical wear like storage areas and assembly halls, maintenance workshops, garages, loading ramps
- Multi-floor and underground car parks and maintenance hangars
- Food and beverage industry
- Malls and supermarkets
- Showrooms and exhibition areas
- Garages

CE
Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid
Component B: Transparent liquid
Shelf Life: 12 months
Mixing Ratio (A/B): 16.4 kg / 3.6 kg
Mixture Density (A+B): ~1.45 kg/l
Mixture Density (1:1 w/w Resin:filler mixture): ~2 kg/l
Packaging: Component A: 16.4 kg containers, Component B: 3.6 kg containers, Components A+B: 20 kg ready to mix units.

Application Data
Consumption: 1.7 kg/m²
(1:1 w/w Resin: filler mixture/1 mm thickness)
Surface Temperature: 10 - 30 °C
Pot Life (+23°C): 45 min. (depending on the amount)
Final Curing (+20°C): 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 65
Bond Strength (EN 4624): > 1.5 N/mm² (failure in concrete)
Abrasion Resistance (EN ISO 5470-1 Taber): < 70 mg (CS10, 1000 gr, 1000 cycle)

Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Technical Building Solutions

Tecnica 332
Solvent Free, Two Component, Epoxy Roller and Seal Coat

Two component, solvent free epoxy based final coat applied by roller.

Fields of Application
- Over concrete substrates, cement screeds
- As a final coat for broadcast multi-layer systems
- Normal-medium wear and chemical exposure areas
- Car parks and maintenance workshops
- Control rooms
- Food and beverage industries
- Production, packaging and storage areas
- Galleries and exhibition areas
- As floor coating for ramps
- Garages

CE

Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid
Component B: Transparent liquid
Shelf Life: 12 months
Mixing Ratio (A/B): 17.0 kg / 3.0 kg
Mixture Density: ~1.65 g/cm³
Packaging: Component A: 17.0 kg containers, Component B: 3.0 kg containers, Components A+B: 20 kg ready to mix units.

Application Data
Consumption: ~0.3 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life: 60 minutes (depending on the amount)
Final Curing: 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 65 (28 days / DIN 53505)
Bond Strength (EN 4624): > 1.5 N/mm² (failure in concrete)
Abrasion Resistance (EN ISO 5470-1 Taber): < 70 mg (CS17, 1000 cycle, 1000 g)

Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Tecnica 342 OP
Textured, Two Component Epoxy Coating

Solvent free, two component, textured epoxy coating.

Fields of Application
- Over concrete substrates, cement screeds
- As a final coat for broadcast multi-layer systems
- Normal-medium wear and chemical exposure areas
- Car parks and maintenance workshops
- Control rooms
- Food and beverage industries
- Production, packaging and storage areas
- Galleries and exhibition areas
- As floor coating for ramps
- Garages

CE

Conforms EN 1504-2

General Data
Appearance/Colours: Component A: Coloured liquid
Component B: Brownish Liquid
Shelf Life: 12 months in original sealed packaging.
Mixing Ratio (A/B): 17.0 kg / 3.0 kg
Mixture Density (A/B): ~1.74 g/m³
Packaging: Component A: 17.0 kg containers, Component B: 3.0 kg containers, Components A+B: 20 kg ready to mix units.

Application Data
Consumption (for single layer) : ~0.5 kg/m²
Surface Temperature: 10 - 30 °C
Pot Life: 60 minutes (depending on the amount)
Final Curing: 7 days

Performance Data (at 23°C and 50% RH)
Shore D Hardness (7 days, DIN 53505): ≥ 70
Bond Strength (EN 4624): > 1.5 N/mm² (failure in concrete)
Abrasion Resistance (EN ISO 5470-1 Taber): < 70 mg (CS10, 1000 gr, 1000 cycle)

Thermal Resistance
Permanent Exposure: 50 °C
Short Term (max. 7 days): 80 °C
Short Term (max. 12 hours): 100 °C

Tecnica 3400
PU Based Injection Foam Resin

Elastic to highly flexible, solvent-free polyurethane injection resin which is suitable for stopping active water ingress in masonry, concrete and natural stone by reacting with water.

Fields of Application
- The injection of water-bearing cracks and joints in concrete, masonry and brick,
- Stopping of water inflows from cracks, cold joints, etc.
- Waterproofing of water tanks and swimming pools,
- Stopping the water leakage on tunnel coating concretes and diaphragm walls.

General Data
Appearance/Colours: Resin : Brownish liquid
Catalyst : Transparent liquid
Shelf Life: 6 months in original sealed packaging
Mixing Ratio (Resin / Catalyst): 22.5 kg / 2.25 kg
Density:
Resin: ~ 1.20 g/cm³
Catalyst: ~ 1.10 g/cm³
Viscosity: 450-750 mPa.s
Packaging: Resin: 22.5 kg container
Catalyst: 2.25 kg container

Application Data
Application Temperature: +5 °C / +45 °C
Reaction Temperature: > +5 °C
Surface Temperature: +5 °C / +35 °C

Tecnica 4100
Epoxy Based Injection Resin

Epoxy based low viscous injection resin with two parts and designed for injection to cracks.

Fields of Application
- Crack repair in concrete.
- Repair of reinforced concrete, masonry and similar mineral construction materials with injection.

General Data
Appearance/Colours: Yellowish Transparent liquid
Shelf Life: 24 months in original sealed packaging
Mixing Ratio (Resin / Catalyst): 10 kg / 5 kg
Density: ~ 1.02 ±0.02 g/cm³
Shore D: 70
Pot Life (25 °C): 40-50 minutes
Curing Time: 7 days
Packaging: Component A: 10 kg container,
Component B: 5 kg container

Performance Data (at 23°C and 50% RH)
Measurement of Bond Strength on Concrete (7days, N/mm²) TS EN 1542: ≥ 2.5
Compressive Strength (7days, N/mm²) TS EN 196: > 60

Application Data
Application Temperature: +5 °C / +35 °C
Reaction Temperature: > +5 °C
Surface Temperature: +5 °C / +35 °C
Relative Humidity: Max. 80%

Tecnica 3220 WP
Pure Polyurea Based Two Component Sprayable Waterproofing Coating

Pure polyurea based, two component, solvent-free, 100% solids, elastic, very fast curing waterproofing membrane.

Fields of Application
- Can be applied on;
  - Internal and external areas,
  - Horizontal and vertical substrates,
  - Concrete, cementitious mortar, steel, wood, metal, plastic, bitumen, glass, tile substrates.
- Used as waterproofing and coating material at;
  - Roofs, terraces and balconies,
  - Carparks,
  - Chemical and petrochemical industries,
  - Waste water treatment plants,
  - Steel and concrete pipes,
  - Bridges and tunnels.

CE

Conforms EN 1504-2

General Data
Color: Grey, Beige, Red, Blue
Shelf Life: 6 months in original sealed packaging
Mixing ratio (A/B): 220 kg / 200 kg
Mixing density: ~ 1.10 ± 0.06 g/cm³
Shore A (DIN 53505): 80
Dry to touch time: 10 seconds
Curing time (T=+20): 21 seconds
Fully cured - mechanical durability: 1 day
Consumption (for 1 mm thickness): ~1.1 kg/m²
Packaging: Component A: 220 kg in drums,
Component B: 200 kg in drums

Performance Data (at 23°C and 50% RH)
Tensile strength (DIN 53504): > 17,3 N/mm²
Tear strength (ISO 34-1): 74 N/mm
Elongation at break (DIN 53504): > %400
Adhesion to metal (DIN EN 24624): ≥ 2.3 MPa
Adhesion to concrete (DIN EN 24624):
Without primer: ≥ 0.9MPa
With primer: ≥ 1.5 MPa
Abrasion resistance (Taber, H22) (EN ISO 5470-1): 333,3 mg
Impact resistance (EN ISO 6272-1): Class III
CO_2 permeability (EN ISO 1062-2): SD =73.48 m (EN ISO 1062-2)
Water vapor permeability (EN ISO 7783-2): 3.94 m Class I
Short-term high heat resistance (200°C 1 min): No change
Electrical resistance (IEC 60093): 20 G (Giga Home)
Retaining radioactive rays and radiation: Does not emit radiation
Hygienic report: Hygienic (TAKK D01 14-0142 / DSİ)
Analysis results after potable water contact (BS 6920): Compatible
Deformability under cold weather conditions (20°C) (TS EN 495-5): No damage
Peeling (on concrete) (ASTM 4632): 1480 N/m
Peeling (geotextile) (ASTM 4632): 6760 N/m
Hydrostatic pressure (4 bar 24 hours) (TSE 1928): No water leakage
Soak in liquid solution for 28 days (TS EN ISO 527):
Elongation and shrinkage change after 28 days
in lime solution: Elongation change -5.9
Shrinkage change +11
Elongation and shrinkage change after 28 days
in sodium chloride solution: Elongation change +0.6
Shrinkage change -5.1

Application Data
Application Temperature: +5 °C / +35 °C
Processing temperature (Flow heater, hose heater): 70-75 °C
Maximum substrate moisture: 4%

Technical Building Solutions

Tecnica 3250 WP
Polyurea Based Two Component Sprayable Waterproofing Coating

Polyurea based, two component, solvent-free, very fast reactivity and curing waterproofing membrane consisting of A component isocyanate prepolymer, B component an amine mixture and special fillers.

CE
Conforms EN 1504-2

Fields of Application
• Can be applied on;
- Internal and external areas,
- Horizontal and vertical substrates,
- Concrete, cementitious mortar, steel, wood, metal, plastic, bitumen, glass, tile substrates.

• Used as waterproofing and coating material at;
- Roofs, terraces and balconies,
- Carparks,
- Chemical and petrochemical industries,
- Waste water treatment plants,
- Steel and concrete pipes,
- Bridges and tunnels.

• It is used as a floor coating material in the food and other industry sectors, farms, parking areas, wagons and ship industry.

General Data
Color: RAL Color Chart
Shelf Life: 6 months in original sealed packaging
Mixing ratio (A/B): 220 kg / 200 kg
Density: ~ 1.10 ± 0.05 g/cm³
Viscosity (80°C): 100 ± 10 cP
Shore A (DIN 53505): 75 ± 5
Dry to touch time: 15 ± 5 seconds
Curing time (T=+20): 25 ± 5 seconds
Fully cured - mechanical durability: 1 day
Consumption (for 1 mm thickness): ~1.1 kg/m²
Packaging: Component A: 220 kg in drums,
Component B: 200 kg in drums

Performance Data (at 23°C and 50% RH)
Tensile strength (DIN 53504): > 21,0 ± 0,5 MPa
Tear strength (ISO 34-1): 75 ± 10 N/mm
Elongation at break (DIN 53504): > %400 ± 50
Adhesion to metal (DIN EN 24624): ≥ 2.3 MPa
Adhesion to concrete (DIN EN 24624):
Without primer: ≥ 0.9 MPa
With primer: ≥ 1.5 MPa
Resistance to high heat exposure in a short time (T=200°C, 1 minute): No change
Water resistance: Resistant, waterproof

Application Data
Application Temperature: +5 °C / +35 °C
Processing temperature (Flow heater, hose heater): 70-75 °C
Maximum substrate moisture: 4%

Application Data
%10 Sodium chloride / NaCl: Resistant
%10 Sulfuric acid / H_2SO4: Resistant
%10 Hydrochloric acid / HCl: Resistant
%20 Ammonium / NH_4+: Resistant
%50 Sodium hydroxide / NaOH: Resistant
%20 Potassium hydroxide / KOH: Resistant

Tecnica 911 WP
Crystalline Based Waterproofing Admixture for Concrete

Tecnica 911 WP is a liquid concrete additive that increases the water impermeability of the concrete by creating a crystalline structure in the capillary spaces of the concrete with the special chemicals structures.

CE
Conforms TS EN 934-2

Fields of Application
• Foundation, basements and water channel,
• Dams, culverts and water reservoirs,
• In swimming pool concretes
• Concrete elements where the high risk of water absorption by capillary suction and
• In all concrete applications where crystallized capillary water impermeability is desired.

General Data
Appearance/Colours: White liquid
Shelf Life: 24 months when stored in original sealed packaging.
Structure: Inorganic compounds
Mixture Density: 1,01 - 1,05 (at +20 °C)
pH: 3-7
Packaging: 30 kg drum, 1000 kg IBC

Tecnica 922 WP
Waterproofing Concrete Admixture With Water Reducing / Plasticising Effect

Tecnica 922 WP is a modified lignosulfonate based concrete admixture that increases the water impermeability of the concrete against water absorption and provides liquidity plasticity to the fresh concrete.

CE
Conforms TS EN 934-2

Fields of Application
• To reduce the low-pressure or unpressurised water permeability of concrete.
• Swimming pool, open channel and tunnel segment constructions
• Concretes designed for wastewater treatment plants, dams, culverts and water reservoirs
• Concrete elements under the high risk of water absorption by capillary suction
• To reduce water ingress in tidal and splash zone of water structures.

General Data
Appearance/Colours: Brown liquid
Shelf Life: 12 months when stored in original sealed packaging.
Structure: Liquid based on modified lignosulfonate
Mixture Density: 1,05 - 1,09 (at +20 °C)
pH: 6-10
Packaging: 30 kg drum, 1000 kg IBC

Tecnica 923 WP
Waterproofing Admixture for Mortar and Concrete

Tecnica 923 WP is a liquid concrete addmixture that reduces the water absorption and increases water impermeability of concrete.

CE
Conforms TS EN 934-2

Fields of Application
• In plastered brick wall elements exposed to unpressurized or low pressure water.
• Concretes designed for wastewater treatment plants, dams, culverts and water reservoirs.
• In swimming pool concretes
• Open channels and tunnel segment constructions
• Concrete elements where the high risk of water absorption by capillary suction and to reduce water ingress in tidal and splash zone of water structures.

General Data
Appearance/Colours: White liquid
Shelf Life: 24 months when stored in original sealed packaging.
Structure: Inorganic compounds
Mixture Density: 1,015 - 1,055 (at +20 °C)
pH: 9-13
Packaging: 30 kg drum, 1000 kg IBC

Interior Wall Paints

Products

Kalia Fresh Comfort
Kalia İpek Mat
Kalia Mat
Kalia Clean Care
Joker Plus Mat
Isıtut
Suten
Tavan Plastiği

Interior Wall Paints

5062 Kalia Fresh Comfort
Ultra-Low VOC, Formaldehyde Abating Water Based Interior Paint

Acrylic emulsion based, interior paint with silk matt appearance that is human and environment friendly due to its contributions to air quality by its formaldehyde abatement feature and Ammonia & APEO free composition (up to 87% within 24 hours) and with ultra low volatile / semi-volatile organic chemical compounds (VOC / SVOC) content.

Fields of Application
• On suitably prepared interiors such as mineral new surfaces such as black plaster, concrete, cement board, gypsum panel, old painted surfaces and putty.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.34 g/cm³
Colours: White and A, B, C bases and thousands of colours possible by using Renk Bankası.
Density: App. 1,47 g/cm³
Packaging: 15 kg pail (including three 5 kg PE bags)

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoat 6 hours, throughly drying time 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0,06-0,1 L/m²
Application Tools: Spatula, Brush, Spray gun

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m²/L)
Wet Scrub Resistance	Class 1

5163 Kalia İpek Mat
Silky Matt, Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, easy to clean, perfectly scrub resistant, silky matt interior wall paint.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.34 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C, bases using the Renk Bankası.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower Temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.04-0.06 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m²/L)
Wet Scrub Resistance	Class 1

TS 5808

5156 Kalia Mat
Matt, Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, scrub resistant, matt, interior wall paint.

Fields of Application
• On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.64 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C, bases using the Renk Bankası.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.05-0.07 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 1 (5m²/L)
Wet Scrub Resistance	Class 2

TS 5808

5158 Kalia Clean Care
Easy Clean, Silicone Enhanced, Silky Matt, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, premium quality washable, perfect scrub resistant, silky matt interior wall paint.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.29 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C, bases using the Renk Bankası.
Packaging: 2.5 L, 7.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.077 - 0.100 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m²/L)
Wet Scrub Resistance	Class 1

5169 Joker Plus Mat
Silicone Enhanced, Water Based Interior Wall Paint

Acrylic emulsion based, silicone enhanced, scrub resistant, matt interior wall paint.

Fields of Application
• On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc, on old painted surfaces, putty.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.66 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 2 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.05-0.07 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m²/L)
Wet Scrub Resistance	Class 2

TS 5808

5165 Isıtut
Anti-Condensation and Isothermal Interior Wall Paint

Acrylic emulsion based, breathable, velvet-like matt finish, interior decorative paint - with the help of micro glass spheres, forms insulating film by working as double glass system (glass/air/glass) on applied surfaces that provides 4 times less heat transmission coefficient than other paints. ISITUT prevents condensation of water vapour on paint film and helps prevent heat loss. Micro glass spheres in its composition make its surface warmer and contribute insulation.

Fields of Application
• On interiors, suitably prepared new mineral surfaces such as concrete, mortar, cement panel, gypsum panel etc. and on old painted surfaces, putty. It is specially designed for humid areas. It can be used as a problem solver at humid areas like kitchens and bathrooms and thanks to its warmer surface compared to other paints, it is also recommended for baby sleeping rooms.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 0.88 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B bases using the Renk Bankası.
Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 4-6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Approx. 0.06 - 0.1 L/m² per coat.
Application Tools: Brush, Roller

Performance Data

TS EN 13300	Class
Gloss	Full matt
Grain Size	Fine
Contrast Ratio	Class 2 (3.5 m²/L)
Wet Scrub Resistance	Class 2

Interior Wall Paints

5161 Suten
Satin, Water Based Interior Wall Paint

Acrylic emulsion based, perfectly scrub resistant, easy to clean, satin textured, silky gloss wall paint.

Fields of Application
• On suitably prepared new mineral interior surfaces such as concrete, mortar, cement panel, gypsum panel etc., on putty and on old painted interior surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.28 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankası.
Packaging: 2.5 L, 7.5 L and 15 L pails. 2.5 L packages packed together in 4s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.09 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Semi matt
Grain Size	Fine
Contrast Ratio	Class 2 (7 m²/L)
Wet Scrub Resistance	Class 1

5181 Tavan Plastiği
Water Based Ceiling Paint

Acrylic emulsion based ceiling paint.

Fields of Application
• On suitably prepared new mineral ceilings (concrete, mortar, cement panel etc.) or on old painted ceilings.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.80 g/cm³
Colours: White. Tintable
Packaging: 17.5 kg and 20 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 2 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Approx. 0.14-0.18 kg/m² in one coat, depending on the evenness and the porosity of the surface
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 13300	Class
Gloss	Matt
Grain Size	Fine
Contrast Ratio	Class 2 (6 m²/L)
Wet Scrub Resistance	Class 5

TS 5808

Visuelle

Products

Sedef
Metalik
Reflekte
Stucco Satine
Stucco Calce
Orion
Aura
Dream
Figura Fino
Cemento
Antique
Finish Coat Antique
Artcrete
Finish Coat Artcrete
Finish Coat Artcrete Matt
Artcrete Color Mix
Glass Plaster
Betonart
Betonart Loft
Betonart Fresh
Vitray Lak

Visuelle

5320 Sedef
Decorative Interior Paint with Pearl Effect

Acrylic emulsion based decorative interior paint with pearl effect.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood and metal surfaces for hobby purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: 9 colours in Efekt Colour Chart. Tintable
Density: Approx. 1.06 g/cm³
Packaging: 1 kg, 2.5 kg and 15 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 30 minutes and thoroughly dry after 24 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Brush, Roller, Airless spraying equipment, decorative application tools (sponge, spatula, etc.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.06-0.16 kg/m² per coat.

5321 Metalik
Decorative Interior Paint with Metallic Effect

Acrylic emulsion based decorative interior paint with metallic effect.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty, and wallpaper to create a decorative effect.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: 5 colours in Efekt Colour Chart. Colour Silver is tintable.
Density: Approx. 1.05 g/cm³
Packaging: 1 kg and 2.5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 30 minutes and thoroughly dry after 24 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Brush, Roller, Airless spraying equipment, decorative application tools (sponge, spatula, etc.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.07-0.20 kg/m².

5322 Reflekte
Decorative Interior Paint with Iridescent Effect

Acrylic emulsion based decorative interior paint with iridescent effect.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood surfaces for hobby purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: 4 colours in Efekt Colour Chart
Density: Approx. 1.06 g/cm³
Packaging: 1 kg and 2.5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 30 minutes and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Brush, Roller, Airless spraying equipment, decorative application tools (sponge, spatula, etc.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.06-0.16 kg/m².

7326 Stucco Satine
Marble Effect Decorative Interior Paint

Acrylic emulsion based decorative interior paint with marble effect.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty, and wallpaper to create a decorative effect.

General Data
Thinner: Water
Colours: In colour chart and thousands of colors possible
Density: Approx. 1.7 g/cm³
Packaging: 5 kg, 10 kg ve 15 kg plastic pails. 5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 1-2 hours. Thoroughly dry 4-6 hours
(Lower temperature and/or higher relative humidity will lengthen the drying process.)
Application Tools: Steel Trowel, Spatula
Consumption: Depending on the evenness and the porosity of the surface approximately 0.100-0.150 kg/m²

NEW

7330 Stucco Calce
Lime Based, Marble Effect Decorative Interior Coating

Acrylic emulsion based and lime based, marble effect, ready to use, glossy, decorative interior coating.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wallpaper to create a decorative effect.

General Data
Composition: Acrylic Emulsion Based, Lime Based
Thinner: Water
Colours: Colours in colour chart
Packaging: 5 kg and 15 kg pails. 5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 2-3 hours Thoroughly dry 24 hours Lower temperature and / or higher relative humidity will lengthen the drying process.
Application Tools: Steel Trowel, Spatula
Consumption: Depending on the evenness and the porosity of the surface approximately 0.30-0.50 kg/m²

7317 COARSE GRAIN IS ALSO AVAILABLE

7318 Orion
Decorative Interior Paint with Metallic Sandy Effect

Acrylic emulsion based decorative interior paint with metallic sandy effect.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood and metal surfaces for hobby purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Colours in its colour chart
Density: Approx. 1.37 g/cm³ / 1.49 g/cm³
Packaging: 1 kg, 2.5 kg and 5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 1-2 hours and thoroughly dry after 4-6 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Brush, Effect Trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.3-0.5 kg/m²

Visuelle

7319 Aura
Decorative Interior Paint with Velvet Pearl Effect

Acrylic emulsion based decorative interior paint with velvet pearl effect.

Fields of Application
• On interiors suitably prepared new mineral surfaces such as mortar, concrete, cement panel, gypsum panel etc, on old painted surfaces, glass textile, putty and wall paper to create a decorative effect and on wood and metal surfaces for hobby purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Colours in its chart.
Density: Approx. 1.15 g/cm³
Packaging: 1 kg, 2.5 kg and 5 kg pails. 1 kg and 2.5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Tack-free time 1-2 hours and thoroughly dry after 4-6 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Effect Trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.2-0.3 kg/m²

7313 Dream
Water Based Decorative Interior Pearl Effect Putty

Acrylic emulsion based, ready-to-use, interior decoration putty that allows various aesthetic results, two and three dimensional decorative textures and fine patterns and provides pearly shine finish.

Fields of Application
• On suitably prepared interiors such as concrete, mineral plaster, gypsum and plasterboard surfaces etc., before the top coat or finish paint.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Pearl effect off-White and tintable
Density: Approx. 1.51 g/cm³
Packaging: 1 kg, 2,5 kg and 5 kg.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Throughly dry after 24 hours. (Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Spatula, Brush, Elastic stainless steel trowel.
Consumption: Depending on the evenness and the porosity of the surface approximately 0,5 - 2,0 kg/m².

7316 Figura Fino
Water Based Decorative Interior Putty

Acrylic emulsion based, ready-to-use, interior decoration putty that allows various aesthetic results, two and three dimensional decorative textures, effects and patterns in fine structure.

Fields of Application
• On suitably prepared interiors such as concrete, mineral plaster, gypsum and plasterboard surfaces etc., before the top coat or finish paint.

General Data
Composition: Acrylic emulsion based
Thinner: Water, if necessary
Colours: Off-White and tintable
Packaging: 5 kg and 25 kg pails. 5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Throughly dry after 24 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Spatula, Brush, Elastic stainless steel trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.5 - 1.2 kg/m²

5045 Cemento
Decorative Coating with Soft Concrete Appearance

Soft concrete looking decorative coating material with mineral based white and grey color alternatives.

Fields of Application
• On suitably prepared interiors such as concrete, mineral plaster, gypsum and plasterboard surfaces old painted surfaces, fixed plywood, putty and wallpaper on the interior facade.

CE

General Data
Composition: Mineral based
Appearence: Powder
Colours: White and Grey
Packaging: 15 kg pail (including three 5 kg PE bags)

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixture Ratio: White: 4.2 - 4.8 L water/15 kg powder (1.4 - 1.6 L water/5 kg powder)
Grey: 3.6 - 4.2 L water/15 kg powder (1.2 - 1.4 L water/5 kg powder)
Pot Life: Avg. 3 hours
Expiration: 24 hours
Recoat: 2-3 hours
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Spatula, Elastic stainless steel trowel
Consumption: Approx. 1 kg/m² for 1 mm thickness

Performance Data
Flexural Strength (EN 1015-11): ≥ 3.0 N/mm² (28 days)
Compressive Strength (EN 1015-11): ≥ 6.0 N/mm² (28 days) (CS IV)
Adhesion Strength (EN 1015-12): ≥ 0.8 N/mm² (28 days) FP:B
Capillary Water Absorption (EN 1015-18): ≤ 0.4 kg/m² $min^{0.5}$ (Wc1)
Service Temperature: (-30°C) - (+80°C)
Reaction to Fire: Class A1

5044 Antique
Mineral Based, Travertine Effect Decorative Coating

Mineral based travertine effect decorative coating.

Fields of Application
• On suitably prepared interior mineral surfaces such as concrete, mortar, cement panel, gypsum panel, etc. and old painted surfaces, putty in order to give a travertine effect.

CE

General Data
Colours: White.
Composition: Mineral based
Shelf Life: 12 months when stored in the orijinal sealed packaging in a dry place
Packaging: 5 kg polyethylene and 15 kg multi-ply bags.

Application Data
Application Temperature Range: (+10°C) - (+30°C)
Mixture Ratio: 4.2-4.5 L water / 15 kg powder 1.4-1.5 L water / 5 kg powder
Pot Life: 120 minutes
Drying Time: Thoroughly dry after 24 hours. Waiting time between coats 5 - 6 hours
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Powder Consumption: Depending on the evenness and porosity of the surface total of approx. 1.75-2.5 kg/m²
Application Tools: Stainless steel trowel

Performance Data
Compressive Strength (EN 1015-11): ≥ 6.0 N/mm² (28 days) (CS IV)
Tensile Adhesion Strength (EN 1015-12): > 0.50 N/mm² (28 days)-FP:B
Water Absorption (EN 1015-18): ≤ 0.4 kg/m². $min^{0.5}$ (Wc1)
Service Temperature Range: (-30°C) - (+80°C)
Thermal Conductivity (TS EN 1745): ≤ 0.53 W/m.K; (Table value; P=50%)
Water Vapor Permeability (EN 1015-19): ≤ 20 μ

7324 Finish Coat Antique
Rustic Effect Final Coat Sealer

Transparent, semi-matt, final coat sealer specially designed as the final coat of travertine look mineral based decorative coating, ANTIQUE to give rustic effect.

Fields of Application
• On totally cured ANTIQUE applied surfaces after tinting and also on absorbent mineral surfaces such as mortar, gypsum, gypsum panel, putty etc. to give rustic effect.

General Data
Composition: Acrylic emulsion based
Density: Approx. 1.0 g/cm³
Thinner: Water
Packaging: 1 L and 3 L plastic pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dries in 24 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Application Tools: Roller, brush, sponge
Consumption: Depending on the desired effect and porosity of the surface approximately 0.10 - 0.15 L/m²

Visuelle

5328 Artcrete
Mineral Based Marble Effect Decorative Coating

Mineral based, marble effect decorative coating enriched by chemical additives.

Fields of Application
• On interior and exterior walls and on mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces, and on Kale SATEN ALÇI ASTARI primed gypsum surfaces or gypsum boards. When surface is protected as described in the Instruction for Use section, it can be used in compelling areas such as bathrooms and kitchens.

General Data
Composition: Cement based
Thinner: Water
Colours: White. Can be tinted
Application Thickness: Total of 2 - 4 mm in 2 or 3 coats.
Packaging: 15 kg plastic pails (includes 3x5 kg polyethylene bags)

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Mixture Ratio: 1,6 - 1,8 L water / 5 kg powder
4,8 - 5,4 L water / 15 kg powder
Drying Time: Sandpapered after 1 day.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Powder Consumption: Depending on the evenness and porosity of the surface total of approx. 1.5 kg/m²
Application Tools: Stainless steel trowel, decorative trowel
Pot Life: Approx. 80 minutes

Performance Data
Service Temperature: (-30°C) - (+80°C)
Bond Strength - Type of Break (TS EN 1015-12): 1.50 N/mm² - B after 28 days
Compressive Strength (TS EN 1015-11): Min. 15 N/mm² - CS IV classafter 28 days
Tensile Adhesion Strength (TS EN 1015-11): Min. 5 N/mm² after 28 days
Bulk Density of Hardened Mortar (TS EN 1015-10): 1420 ± 100 kg/m³
Capillary Water Absorption (TS EN 1015-18): ≤ 0.20 kg/m² min$^{0.5}$ - Wc2
Water Vapour Permeability (TS EN 1015-19): ≤ 30
Thermal Conductivity (TS EN 1745): ≤ 0.55 W/m.K (Table Value) P = 50%
Reaction to Fire (TS EN 13501-1): Class B
Dangerous Substances (TS EN 998-1): Complies. See Safety Data Sheet.

7329 Finish Coat Artcrete
Final Coat Primer Matt

Opaque white colored, transparent, semi-matt surface protection sealer specially designed as the final coat for mineral based decorative coating ARTCRETE.

Fields of Application
• On totally cured ARTCRETE applied surfaces.

General Data
Composition: PU acrylic emulsion based
Colours: Off-white
Appearance after application: Transparent, Semi-matt
Density: Approx. 1.03 g/cm³
Packaging: 1 L plastic bottle.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dries and reaches rigidity in 7 days. Recoatable after 2 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process)
Application Tools: Brush, roller, sponge
Consumption: 0.10 - 0.15 L/m²

7327 Finish Coat Artcrete Matt
Final Coat Primer Matt

Opaque white colored, transparent, matt surface protection primer specially designed as the final coat for mineral based decorative coating ARTCRETE.

Fields of Application
• On totally cured ARTCRETE applied surfaces.

General Data
Composition: Acrylic-PU emulsion based
Appearance: Off-White, Transparent, Matt Liquid
Density: Approx. 1.03 g/cm³
Tinner : Water
Packaging: 1 L plastic bottle.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dries in 24 hours (Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the desired effect and porosity of the surface approximately 0.10 – 0.15 L/m²
Application Tools: Roller, brush, sponge

7800 Artcrete Color Mix
Pigment Paste Mix

Concentrated pigment paste with high tinting power, specially developed for ARTCRETE Decorative Coating System.

Fields of Application
• ARTCRETE is mixed with the required amount of ARTCRETE COLOR MIX to obtain the desired color.

General Data
Colours: 14 standard RAL colors
Composition: Universal concentrated pigment paste
Packaging: 500 mL plastic bottle. Bottles are packed together in 4s.

Consumption for 15 kg ARTCRETE		
Color	**Grams**	**ML**
RAL 1015	44	26
RAL 1019	134	93
RAL 3009*	1.337	890
RAL 5001	752	557
RAL 5007	296	215
RAL 7003	248	183
RAL 7006	395	287
RAL 7015	693	548
RAL 7035	19	15
RAL 7037	218	176
RAL 7044	37	28
RAL 8004	734	442
RAL 8028*	1.565	1.132
RAL 9002	11	9

7027 Glass Plaster
Decorative Glass Chip Plaster

Acrylic emulsion based ready to use plaster with glass chips for interior and exterior use which can be applied by a trowel.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 28 original colours
Texture: Contains glass chips
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 – 3 days.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness of the surface approximately 4.0 - 5.0 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V1
Liquid Water Permeability	W3
CO_2 Permeability	C0
Crack Bridging	A0

7041 Betonart
Ready Mixed Plaster with Concrete Effect

Acrylic emulsion based, light, trowel applied, concrete effect interior decorative ready mixed plaster.

Fields of Application
• On interior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: In two colors, B183 and B185 and thousands of colors possible.
Texture: Flat, rough
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 – 3 days.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness, the porosity of the surface and the desired texture 0.9-1.2 kg/m²
Application Tools: Steel and plastic trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V2
Liquid Water Permeability	W3
CO_2 Permeability	C0
Crack Bridging	A0

Visuelle

7042 Betonart Loft
Concrete Look, Fine Texture, Ready to Use, Colored Plaster

Acrylic emulsion based, light, trowel applied, concrete effect with fine texture interior decorative ready mixed plaster.

Fields of Application
• On interior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces.

General Data
Composition: Acrylic emulsion based
Texture: Flat, rough
Colours: In two colors, B183 and B185.
Thinner: Water
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 – 3 days.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.5 - 1.2 kg/m²
Application Tools: Spatula, Elastic stainless steel trowel

7043 Betonart Fresh
Ready Mixed Plaster Absorbing Bad Odor with Concrete Look

Acrylic emulsion based, light, trowel applied, concrete effect interior decorative ready mixed plaster balancing humidity level and absorbing bad odor caused by smoke, fried food, etc.

Fields of Application
• On interior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: In two colors, B183 and B185.
Texture: Flat, rough
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 – 3 days.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness, the porosity of the surface and the desired texture 0.8 - 1.2 kg/m²
Application Tools: Steel and plastic trowel

Performance Data
Water Vapour Permeability: V1
Water Absorption: W1
Durability: NPD
Thermal Conductivity: 10=0.4 W / (m.K) (Table Value, P=90%)
Reaction to Fire: Class C
Dangerous Substances: See Safety Data Sheet

CE

7230 Vitray Lak
Multicolor Interior Coating System

Acrylic emulsion based, interior wall paint used as the top coat.

Fields of Application
• Following the application of decorative flakes and also on all kinds of porous, highly absorbent surfaces such as concrete, mortar, gypsum, gypsum panel, putty, etc.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.05 g/cm³
Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dry after 24 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness and the porosity of the surface approx. 0.100 – 0.150 kg/m²
Application Tools: Brush, roller, airless spraying equipment

Glass Plaster


C053


C055


C136


C156

C180


C181


C214


C222


C233


C234


C242


C243


C261


C263


C406


C240


C210

Betonart & Betonart Fresh


B183


B185


Concrete Texture


Exposed Concrete Texture


Slate Texture


Notched Trowel Texture


Wood Texture


Atlas Texture

Sedef


7000
Gümüş Beyaz


7001
Gümüş Gri


7053
Kehribar


7241
Atlas


7150
Gül Pembe


7222
Kekik


7250
Lila


7262
Ahududu


7800
Sultani


Brush Texture

Roller Texture


Spatula Texture


Sponge Texture

Wood Texture

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Metalik


7056
Altın

7115
Bronz

7135
Bakır

7155
Lal

7184
Gümüş

Reflekte

7055
Gold

7205
Zümrüt

7245
Safir

7265
Viola

7055 + 7265
Gold Viola

7205 + 7055
Zümrüt Gold

7265 + 7245
Viola Safir

7245 + 7205
Safir Zümrüt

Brush Texture

Spatula Texture

Sponge Texture

Wood Texture

Roller Texture

Stucco Satine

7011

7012

7025

7054

7097

7112

7122

7183

7203

7244

7264

7266

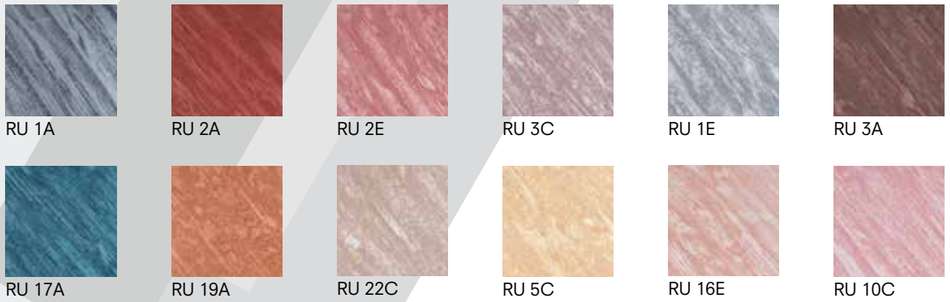
7326

7381

7406

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

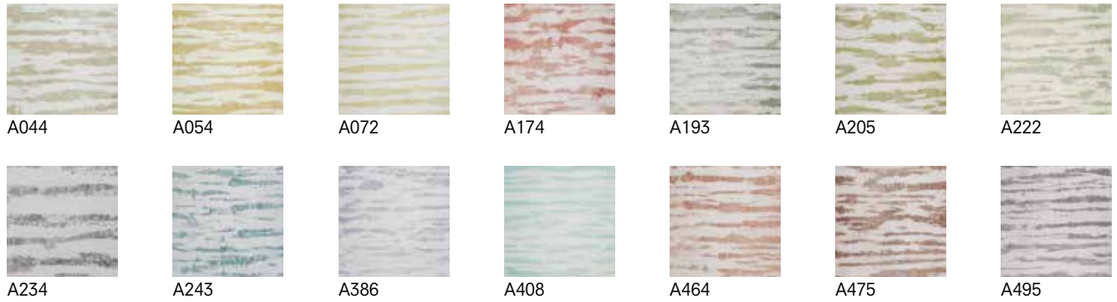
Orion



Aura

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Antique



Artcrete

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Exterior Paint and Coatings

Products

Protekta

Performa NS

Performa Pure

Performa+

Performa

Joker Plus EXT

Silikonatex

Supar

Exterior Paint and Coatings

5111 Protekta

Ceramic Microspheres and Silicone Enhanced, Water Based Exterior Wall Paint

Ceramic microspheres and silicone enhanced, water impermeable, acrylic emulsion based, long lasting, matt, exterior wall paint.

Fields of Application

• On exterior mineral surfaces such as concrete, mortar, cement panel, etc. and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using Renk Bankası.
Density: Approx. 1.52 g/cm³
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface, approx. 0.120-0.130 L/m² in one coat.
Application Tools: Brush, Roller

Performance Data

TS EN 1062-1	Class
Gloss	G3
Grain Size	S1
Film Thickness	E3
Water Vapour Transmission	V1
Liquid Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5113 Performa NS

100% Pure Acrylic, Super Elastic, Water Based Semi Matt Exterior Wall Paint

Pure acrylic emulsion based, super elastic, fully water impermeable, long lasting, breathable, alkaline resistant, exterior textured wall and semi-matt paint.

Fields of Application

• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., and on previously painted surfaces.

TS 7847

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using Renk Bankası.
Density: Approx. 1.28 g/cm³
Packaging: 2.5 L and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process
Consumption: Depending on the evenness and the porosity of the surface approximately
Extured Pattern: 0.350 - 0.450 L/m² per coat.
Flat Finish: 0.100 - 0.160 L/m² per coat (must be applied in 2 coats)
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G2
Grain Size	S1
Film Thickness	E4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A5
CO_2 Permeability	C0

5123 Performa Pure

Pure Acrylic Emulsion, Matt, Water Based Exterior Paint

Pure acrylic water based, water impermeable, long lasting, alkali resistant, matt, exterior wall paint.

Fields of Application

• On suitably prepared new mineral exterior surfaces such as concrete, mortar, cement panel etc. and on old painted surfaces.

TS 7847

General Data

Composition: Pure Acrylic Based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası.
Density: Approx. 1.28 g/cm³
Packaging: 2.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.085-0.100 L/m² per coat.
Application Tools: Brush, Roller

Performance Data

TS EN 1062-1	Class
Gloss	G2
Grain Size	S1
Film Thickness	E2
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5110 Performa+

Extra Elastic, Water Based Exterior Wall Paint

Elastic acrylic emulsion based, extra elastic, long lasting, water impermeable, exterior matt wall paint.

Fields of Application

• On exterior mineral surfaces such as concrete, mortar, cement panel, etc, and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankası.
Density: Approx. 1.39 g/cm³
Packaging: 2.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process
Consumption: Depending on the evenness and the porosity of the surface; 0.12-0.13 L/m²
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G3
Grain Size	S1
Film Thickness	E2
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A2
CO_2 Permeability	C0

5105 Performa

Elastic, Water Based Exterior Wall Paint

Elastic acrylic emulsion based, elastic, water impermeable, matt, exterior wall paint.

Fields of Application

• On suitable prepared exterior mineral surfaces such as concrete, mortar, cement panel, etc, and on previously painted surfaces.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.41 g/cm³
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using Renk Bankası.
Packaging: 2.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process
Consumption: Depending on the evenness and the porosity of the surface approximately 0.200-0.300 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G4
Film Thickness	E4
Grain Size	S1
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5122 Joker Plus EXT

Silicone Enhanced, Water Based Exterior Wall Paint

Acrylic emulsion based, silicone enhanced, water repellent, long lasting exterior wall paint.

Fields of Application

• On exterior mineral surfaces such as concrete, mortar, cement panel and on previously painted surfaces.

TS 7847

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using Renk Bankası.
Density: Approx. 1.62 g/cm³
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.120-0.130 L/m² per coat.
Application Tools: Brush, Roller, Airless spraying equipment

Performance Data

TS EN 1062-1	Class
Gloss	G3
Film Thickness	E3
Grain Size	S1
Water Vapour Transmission	V1
Water Permeability	W2
Crack Bridging	A0
CO_2 Permeability	C0

Exterior Paint and Coatings

5120 Silikonatex

Silicone Enhanced, Elastic, Water Based Textured Coating

Acrylic emulsion based, water repellent,elastic, silicone enhanced, covering the surface defects with its thick and textured film feature, long lasting, exterior and interior textured coating.

Fields of Application

• On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data

Composition: Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases using the Renk Bankası.
Texture: Roller textured
Packaging: 15 L pails

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness, the porosity of the surface and the desired texture, approx. 0.40 - 0.66 L/m² in one coat
Application Tools: Brush, Roller

Performance Data

TS EN 1062-1	Class
Grain Size	S3
Film Thickness	E4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5190 Supar

Water Based, Glossy, Wood, Metal and Masonry Paint

Acrylic emulsion based, glossy, long lasting, decorative, exterior and interior wood, metal and wall paint.

Fields of Application

• On old or new exterior and interior mineral surfaces such as concrete, mortar, cement panel etc., on metal and wood.

General Data

Composition: 100% Acrylic emulsion based
Thinner: Water
Colours: Thousands of colours possible from a mixture of white and A, B, C bases by using the Renk Bankası.
Density: Approx. 1.15 g/cm³
Packaging: 0.75, 2.5, 7.5 and 15 L pails. 0.75 L and 2.5 L packages packed together in 2s.

Application Data

Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Recoatable after 6 hours and thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Approx. 0.04-0.06 L/m² in one coat, depending on the evenness and the porosity of the surface
Application Tools: Brush, Roller, Airless spraying equipment.

Performance Data

TS EN 1062-1	Class
Gloss	G1
Grain Size	S1
Film Thickness	E2
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO2 Permeability	C0

Decorative Plasters

Products

Colorit
Dekor Plus
Grenart Micro
Grenart Midi
Renotex Plus
Drewa
Mikro Drewa

Decorative Plasters

5001 Colorit
Silicone Enhanced, Fine, Striped Pattern Ready Mixed Plaster

Acrylic emulsion based, silicone enhanced, fine, striped pattern textured, trowel applied, ready mixed interior and exterior plaster

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable.
Texture: Striped pattern
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.3 - 2.5 kg/m²
Application Tools: Steel and plastic trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V1
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5006 Dekor Plus
Silicone Enhanced, Elastic, Striped Pattern Ready Mixed Plaster

Acrylic emulsion based, elastic, striped pattern, silicone enhanced, coarse, ready mixed interior and exterior plaster.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

TS 7847

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable.
Texture: Striped pattern
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 3.3 - 3.5 kg/m²
Application Tools: Plastic trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5024 Grenart Micro
Silicone Enhanced, Elastic, Ready Mixed Plaster

Acrylic emulsion based, trowel applied, fine textured, ready mixed exterior and interior plaster.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

TS 7847

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable.
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.2 - 2.8 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5026 Grenart Midi
Silicone and Fiber Enhanced, Elastic, Ready Mixed Plaster

Acrylic emulsion based, silicone and fiber enhanced, elastic, coarse textured, ready mixed exterior and interior plaster.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

TS 7847

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 colours of the exterior colour chart. Tintable.
Texture: Thick textured
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.4 - 2.9 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5055 Renotex Plus
Silicone Enhanced, Roller Applied Ready Mixed Plaster

Acrylic emulsion based, roller applied, fine, silicone enhanced, exterior and interior ready mixed plaster that can be applied in different thicknesses and textures by the use of a trowel or roller.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc, on previously painted surfaces and also on interior surfaces for decorative purposes.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in 234 original colours of the exterior colour chart. Tintable.
Texture: Roller textured
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on desired texture;
Fine Textures: 1.0 - 1.2 kg/m²
Coarse Textures: 1.0 - 2.0 kg/m²
Flat Textures: 1.7 - 2.0 kg/m²
Application Tools: Trowel, Roller

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V1
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

5030 Drewa
Natural Marble Chip Plaster

Acrylic emulsion based, coarse, ready mixed, interior and exterior, natural coloured marble chip plaster.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

TS 7847

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in natural colors in its color chart
Texture: Contains coarse, natural, colored marble chips
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: 4.0-5.0 kg/m²
Application Tools: Steel trowel

Performance Data

TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S4
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

Decorative Plasters

5035 Mikro Drewa
Natural Marble Chip Plaster

Acrylic emulsion based, trowel applied, fine, ready mixed, interior and exterior surfaces natural coloured marble chip plaster.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., on previously painted surfaces and also on interior surfaces for decorative purposes.

TS 7847

General Data
Composition: Acrylic emulsion based
Thinner: Water
Colours: Available in natural colors in its color chart.
Texture: Contains fine, natural, colored marble chips
Packaging: Available in 25 kg pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry after 24 hours and thoroughly dry after 2 - 3 days
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness of the surface approximately 2.5 - 2.9 kg/m²
Application Tools: Stainless steel trowel

Performance Data

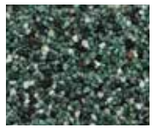
TS EN 1062-1	Class
Film Thickness	E5
Grain Size	S3
Water Vapour Transmission	V2
Water Permeability	W3
Crack Bridging	A0
CO_2 Permeability	C0

Texture and Colors of Drewa


Drewa 0100


Drewa 0210


Drewa 0220

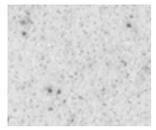

Drewa 0331

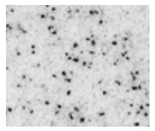

Drewa 0531

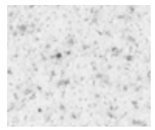

Drewa 0562


Drewa 0600


Drewa 0751


Drewa 1800


Drewa 0801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Drewa 0807


Drewa 0810


Drewa 0812


Drewa 0864


Drewa 1050

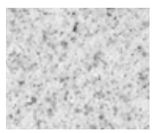

Drewa 1400


Drewa 1401


Drewa 1410


Drewa 1550


Drewa 1610


Drewa 1804

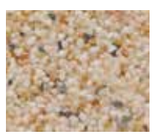

Drewa 1814


Drewa 1825

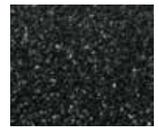

Drewa 1836


Drewa 1855


Drewa 4651


Drewa 8651

Texture and Colors of Mikro Drewa


Mikro Drewa 0100


Mikro Drewa 0210


Mikro Drewa 0220


Mikro Drewa 0231


Mikro Drewa 0331

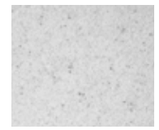

Mikro Drewa 0531


Mikro Drewa 0562


Mikro Drewa 0600


Mikro Drewa 0680


Mikro Drewa 0751


Mikro Drewa 1800

Mikro Drewa 0801

Mikro Drewa 0802

Mikro Drewa 0806

Mikro Drewa 0810

Mikro Drewa 0812

Mikro Drewa 0864

Mikro Drewa 1050

Mikro Drewa 1400

Mikro Drewa 1401

Mikro Drewa 1550

Mikro Drewa 1610

Mikro Drewa 1804

Mikro Drewa 1814

Mikro Drewa 1836

Mikro Drewa 1855

Mikro Drewa 4651

Mikro Drewa 8651

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Textures of Plasters

Grenart Midi

4062

4064

Grenart Micro

4062

4064

Silikonatex

4382

4384

Dekor Plus

4204

4206

Colorit

4204

4206

Renotex Plus

4143

4145

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

NOTICE! Due to printing techniques, there may be differences between color tones shown here and emerged after application.

Surface Preparation Materials

Products

Üniastar
Anti Alkali Primer
Transition Primer
Silastar
Saten Alçı Astarı
Concentrated Primer
Macunart
İnce Akrilik Macun
Kalın Akrilik Macun

Surface Preparation Materials

5310 Üniastar
Plaster and Paint Primer

Acrylic emulsion based, pigmented primer, suitable for priming the surfaces on which any type of water based decorative coatings will be applied.

Fields of Application
• Prior to emulsion based coating application on all kinds of exterior mineral surfaces such as concrete, plaster and cement panel etc., and on old painted surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.69 g/cm³
Colours: Available in white and 19 colours. Tintable.
Packaging: 4 and 25 kg pails. 4 kg packages packed together in 2s

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.175 kg/m²
Application Tools: Brush, Roller, Airless spraying equipment.

5315 Anti Ankali Primer
Efflorescence-Resistant Facade Paint Primer

Water and Acrylic polymer based, high alkali resistant, ready to use primer that strengthens the adhesion of all water based coating materials and increases the strength of the topcoat and shortens the time of the top coat application.

Fields of Application
• On exterior mineral surfaces such as concrete, mortar, cement panel, etc., also on painted surfaces.

General Data
Composition: Acrylic emulsion based
Density: Approx. 1.43 g/cm³
Colours: White and 19 colours by A, B, C bases and can be coloured.
Packaging: 2.5 L and 15 L plastic pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Surface dry in min 3 hours, complete drying min 5 hours, application of the top coat min 3 hours. Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 0.1-0.12 L/m²
Application Tools: Roller, Brush, Spray gun

NEW

5336 Transition Primer
Water Based Primer for Solvent / Water Based Painted Surfaces

Acrylic emulsion based primer, especially used for the transfer from solvent based paint to water based paint, with high penetration capability for priming the surfaces prior to any type of water based decorative interior and exterior paint.

Fields of Application
• Prior to emulsion-based interior and exterior paint application on all kinds of porous, highly absorbent surfaces such as concrete, aerated concrete blocks, brick, gypsum panel, plaster and putty etc., and on old painted surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.68 g/cm³
Colours: White
Packaging: 3.5 kg and 20 kg plastic pails.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours when applied on water-based paint and 24 hours when applied on solvent based paint.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.14-0.20 kg/m²
Application Tools: Brush, Roller, Airless Spraying

5335 Silastar
Silicone Enhanced Primer

Silicone enhanced, acrylic emulsion based, pigmented primer with a high penetration for priming the surfaces on which any type of water based decorative coating will be applied.

Fields of Application
• Prior to emulsion based coating application on all kinds of porous, highly absorbent surfaces like concrete, plaster, gypsum, gypsum panel and putty etc., and on old painted surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.51 g/cm³
Colours: Available in white and 19 colours. Tintable.
Packaging: 2.5, 7.5 and 15 L pails. 2.5 L packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.090 L/m²
Application Tools: Brush, Roller, Airless spraying equipment

5337 Saten Alçı Astarı
Satin Plaster Clear Primer

Acrylic emulsion based, ready to use, unpigmented primer for priming the surfaces on which any type of water based paint will be applied.

Fields of Application
• Prior to emulsion based coating application on all kinds of porous, highly absorbent surfaces like concrete, plaster, gypsum, gypsum panel and putty etc., and on old painted surfaces.

General Data
Composition: Acrylic emulsion based
Colours: Clear
Thinner: Water
Packaging: 5 L and 20 L plastic barrels.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.090 L/m²
Application Tools: Brush, Roller paint, Airless spraying equipment.

NEW

5334 Concentrated Primer
1/7 Diluted Water Based Concentrated Primer

Acrylic based, concentrated, primer with high penetration capability for priming the surfaces prior to any type of water based decorative interior paint.

Fields of Application
• Prior to water based interior paint application on all kinds of porous, absorbent surfaces such as concrete, aerated concrete blocks, brick, gypsum panel, plaster and putty etc., and on old painted surfaces.

General Data
Composition: Acrylic emulsion based
Thinner: Water
Density: Approx. 1.00 g/cm³
Colours: White
Packaging: 0.75 L, 2.5 L and 15 L plastic pails

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Ready for the application of the final coating after 6 hours.
(Lower temperatures and/or higher relative humidity will lengthen the drying process.)
Consumption: Depending on the evenness and the porosity of the surface approximately 0.01-0.017 L/m²
Application Tools: Brush, Roller, Airless Spraying

Surface Preparation Materials

4009 Macunart
Cement Based, Water Resistant, Fine, Surface Smoothening Putty

Cement based, fine, white, surface smoothening putty formulated for smoothing the uneven concrete and mineral surfaces, filling up the hair cracks and for covering interior and exterior surface defects.

Fields of Application
• For smoothing the uneven concrete and mineral surfaces, for filling up the hair cracks and for covering the surface defects due to removal of blistered old coating.

General Data
Appearance: White powder
Shelf Life: 12 months when stored in the original sealed package
Packaging: Available in 5 kg polyethylene and 20 kg multi-ply paper bags.

Application Data
Water Mixing Ratio: 6.5 - 7.3 L water / 20 kg powder
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: Max. 3 hours
Waiting Time Between the Coats: 2 - 3 hours between coats. Lower temperature or higher relative humidity will lengthen the drying process.
Application Tools: Stainless steel trowel
Consumption: Depending on the evenness and the porosity of the surface approximately 0.5-1.0 kg for 1 mm. Application thickness. Application should be held in maximum 3 mm.

Performance Data
Compression Strength: ≥ 10 N/mm²
Bond Strength by pull-off: ≥ 0.8 N/mm²
Reaction to Fire: A1

R1 CE
Non-structural repair mortar conforming EN 1504-3 / Class R1.

TSE
TS EN 1504-3

5510 İnce Akrilik Macun
Water Based, Fine, Surface Smoothening Putty

Acrylic copolymer emulsion based surface smoothening putty formulated at an optimum thickness to cover the common surface defects on interiors.

Fields of Application
• Surface smoothening putty; for smoothing the concrete and cementitious plastered rough surfaces, for filling up the hair cracks and for covering the surface defects appeared due to removal of blistered old coating.

General Data
Composition: Acrylic copolymer emulsion
Thinner: Water
Colours: Off White
Packaging: 5 kg and 25 kg pails. 5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Application Tools: Spatula, Elastic stainless steel trowel.
Consumption: 0.5-1.5 kg/m²

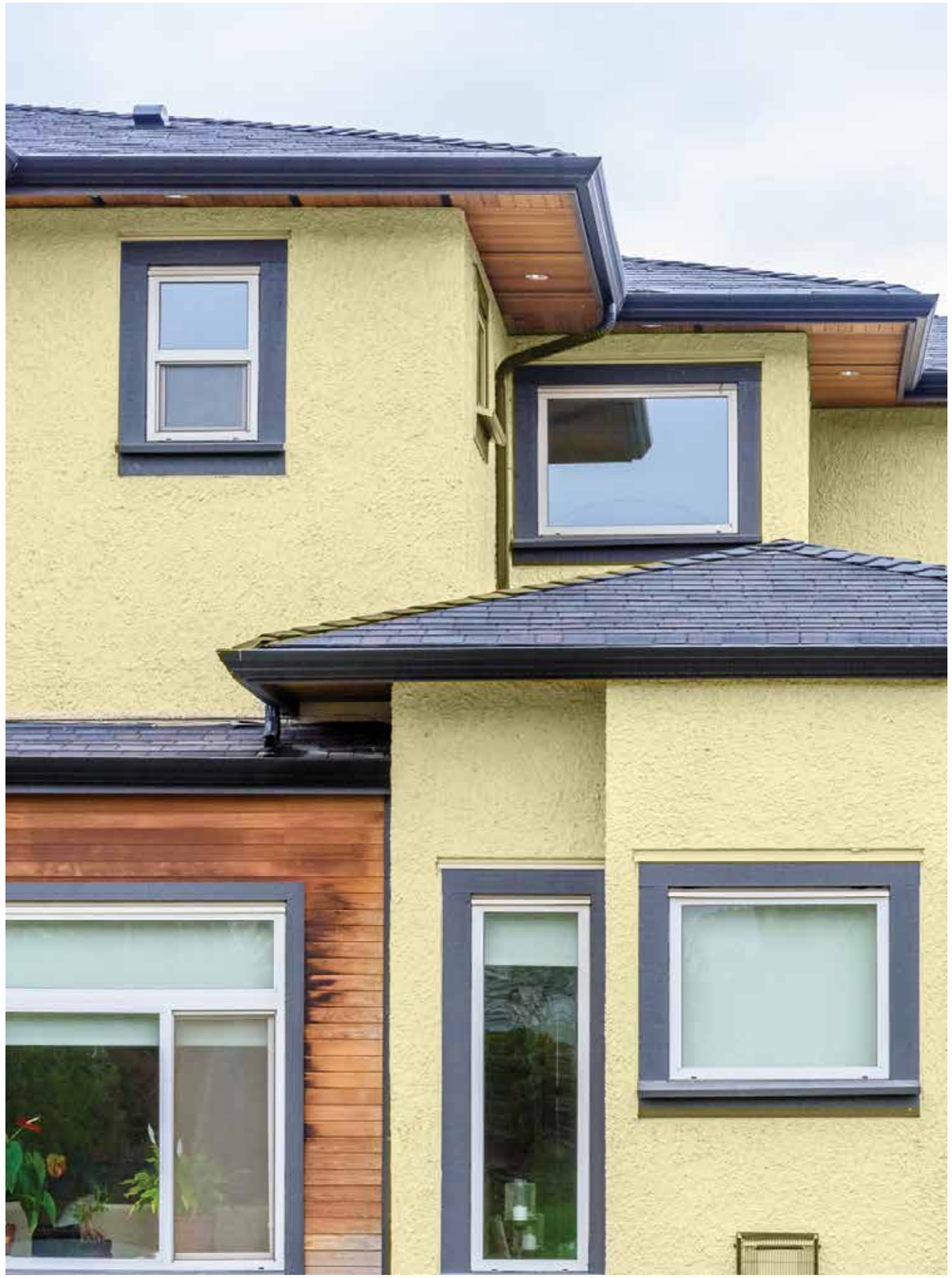
5520 Kalın Akrilik Macun
Water Based, Thick Surface Smoothening Putty

Acrylic copolymer emulsion based surface smoothening putty formulated at an optimum thickness to cover the common surface defects of exteriors.

Fields of Application
• Surface smoothening putty; for smoothing the concrete and cementitious, plastered rough surfaces, for filling up the hair cracks and for covering the surface defects appeared due to removal of blistered old coating.
• For exterior uses, white cement at 20% of putty weight should be added.

General Data
Composition: Acrylic copolymer emulsion
Colours: Off White
Packaging: 5 kg and 25 kg pails. 5 kg packages packed together in 2s.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Drying Time: Thoroughly dry after 24 hours.
Lower temperatures and/or higher relative humidity will lengthen the drying process.
Consumption: Depending on the evenness and the porosity of the surface approximately 1.2 - 2.2 kg/m²
Application Tools: Spatula, Elastic stainless steel trowel.



Tinting System

Products
Renklendirici

Tinting System

5600 Renklendirici
Universal Concentrated Pigment Paste

Universal concentrated pigment paste with a high degree of resistance to light and changing weather conditions developed to be used in an automatic tinting system named RENK BANKASI. Color strength and consistency of Renklendirici are adjusted very sensitively.

Fields of Application
• In automatic tinting system, RENK BANKASI.

General Data
Colour: 16 colours
Composition: Concentrated pigment paste
Packaging: In 1 L plastic bottles which are packed in 6s.

Saving is in its Chemistry!

Solution, comfort, economy!

Thermal Insulation Applications

Products

Kalekim Carbon EPS Thermal Insulation Board
Kalekim White EPS Thermal Insulation Board
Kalekim XPS Thermal Insulation Board
Kalekim Stone Wool Thermal Insulation Board
Foamtech
Mantotech
Foamplast
Mantoplast
Mantomix
Mantostone
Minart Silver 100
Minart Silver 150
Minart Silver 200
Minart Silver 300
Minart Dekor 300
Minart Pro 300
Kalekim Thermal Insulation System Accessories
Kalekim Thermal Insulation Components

Thermal Insulation Applications

Kalekim Carbon EPS Thermal Insulation Board

Kalekim Carbon EPS thermal insulation board is a gray EPS Thermal Insulation Board that is manufactured out of Expanded Polystyrene.

Fields of Application

• Thermal insulation on exterior and interior walls of buildings.
• It is used for sheathing within thermal insulation systems.

Technical Specifications (23°C and 50% RH)
Standart: TS EN 13163
Thermal Conductivity Value: ≤ 0.032 W/mK
Fire Resistance: According to EN 13501-1 Class E
Density: 16 kg/m³
Dimensional Consistency: ± 0.2% DS (N) 2
Compression Resistance (min.) (10% deformation): CS (10) 60
Tensile Strength Perpendicular to The Surface: TR100
Long Term Water Absorption Under Total Immersion: WL (T) 5
Vapour Diffusion Resistance Coefficient (μ): 20-40
Flexural Strength: ≥ 115 kPa

Dimensions
Length: 1.000 mm
Width: 500 mm
Thickness: 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm

TS EN 13163

Kalekim White EPS Thermal Insulation Board

Kalekim White EPS thermal insulation board is a White EPS Thermal Insulation Board that is manufactured out of Expanded Polystyrene.

Fields of Application

• Thermal insulation on exterior and interior walls of buildings.
• It is used for sheathing within thermal insulation systems.

Technical Specifications (23°C and 50% RH)
Thermal Conductivity Value: ≤ 0.038 W/mK
Fire Resistance: According to EN 13501-1 Class E
Density: 16 kg/m³
Dimensional Consistency: ± 0.2% DS (N) 2
Compression Resistance (min.) (10% deformation): CS (10) 60
Tensile Strength Perpendicular to The Surface: TR100
Long Term Water Absorption Under Total Immersion: WL (T) 5
Vapour Diffusion Resistance Coefficient (μ): 20-40
Flexural Strength: ≥ 115 kPa

Dimensions
Length: 1.000 mm
Width: 500 mm
Thickness: 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm

TS EN 13163

Kalekim XPS Thermal Insulation Board

Kalekim XPS insulation board is a blue extruded polystyrene insulation material developed for exterior insulation applications.

Fields of Application

• Thermal insulation on exterior and interior walls of buildings.
• It is used for sheathing within thermal insulation systems.

Technical Specifications (23°C and 50% RH)
Thermal Conductivity Value: ≤ 0.031 W/mK
Fire Resistance: According to EN 13501-1 Class E
Compression Resistance (min.) (10% deformation): CS (10/y) 200 kPa
Tensile Strength: TR200
Water Vapour Diffusion Resistance Coefficient (μ): 100

Dimensions
Length: 1.200 mm
Width: 600 mm
Thickness: 40, 50, 60, 70, 80, 90, 100, 110, 120 mm

TS EN 13162

Kalekim Stone Wool Thermal Insulation Board

Kalekim Stone Wool Thermal Insulation Board is built by melting locally procured basalt, an inorganic material, at 1350°C -1400°C and turning it into fibers to provide thermal, sound and fire insulation.

Fields of Application

• Thermal insulation on exterior and interior walls of buildings.
• It is used for sheathing within thermal insulation systems.

Technical Specifications (23°C and 50% RH)
Thermal Conductivity Value: ≤ 0.035 W/mK
Fire Resistance: According to EN 13501-1 Class A1
Density: 150 kg/m³
Thickness Tolerance Range: T5-1+3 mm
Compression Resistance (min.) (10% deformation): CS (10) 50
Tensile Strength: TR15 ≥ 15 kPa
Long Term Water Absorption Under Total Immersion: WL (P) ≤ 3 kg/m²
Vapour Diffusion Resistance Coefficient (μ): μ 1
Melting Point: T1 > 1000°C

Dimensions
Length: 1.200 mm
Width: 600 mm
Thickness: 30, 40, 50, 60, 70, 80, 90, 100, 110, 120 mm

TS EN 13162

1057 Foamtech
Insulation Board Adhesive

Cement-based thermal insulation board adhesive.

Fields of Application

• Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data
Colour: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Application Tools: Notched trowel, trowel
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 3 hours
Mixing Ratio: 5.5 - 6 lt water / 25 kg powder
Consumption: 4-5 kg/m²

Performance Data (at 23°C and 50% RH)
Adhesion to the Thermal Insulation Board: Min. 0.08 N/mm²
Water Absorption: 30 dk. max. 5 gr / 240 dk. max. 10 gr
Flexural Strength (EN 1015-11): Min. 2 N/mm²
Compressive Strength (EN 1015-11): Min. 6 N/mm²
Adhesive Strength of Hardened Rendering and Plastering Mortars (EN 1015-12): Min. 0.5 N/mm²

TS 13566 / June 2013

1169 Mantotech
Insulation Board Adhesive

Cement-based thermal insulation board adhesive.

Fields of Application

• Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data
Colour: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Application Tools: Notched trowel, trowel
Packaging: 25 kg multi-ply paper bag

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Pot Life: 3 hours
Mixing Ratio: 5.5 - 6 lt water / 25 kg powder
Consumption: 4-5 kg/m²

Performance Data (at 23°C and 50% RH)
Adhesion to the Thermal Insulation Board (EN 13494): Min. 0.10 N/mm²
Water Absorption (EN 12808-5): 30 dk. max. 5 gr / 240 dk. max. 10 gr
Flexural Strength (EN 1015-11): Min. 2 N/mm²
Compressive Strength (EN 1015-11): Min. 10 N/mm²
Adhesive Strength of Hardened Rendering and Plastering Mortars (EN 1015-12): Min. 0.7 N/mm²

TS 13566 / June 2013

Thermal Insulation Applications

4057 Foamplast
Cement - Based Insulation Board Plaster

Cement-based thermal insulation board plaster.

Fields of Application
• Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data
Colour: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 6 - 6.5 lt water / 25 kg powder
Consumption: 1.7 kg/m²/mm

Performance Data (at 23°C and 50% RH)
Flexibility: High
Adhesion to the Thermal Insulation Board (EN 13494): Min. 0.08 N/mm²
Water Absorption (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ Wc2
Flexural Strength (EN 1015-11): Min. 2 N/mm²
Compressive Strength (EN 1015-11): Min. 6 N/mm²
Water Vapor Permeability Coefficient (μ) (EN 1015-19): Max.15

CE TS 13687:2016
T1: April 2019

4169 Mantoplast
Insulation Board Plaster

Cement-based thermal insulation board plaster.

Fields of Application
• Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data
Colour: Grey powder
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Consumption: 1.7 kg/m²/mm
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 6- 6.5 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Flexibility: High
Adhesion to the Thermal Insulation Board (EN 13494): Min. 0.10 N/mm²
Water Absorption (EN 1015-18): ≤ 0.2 0 kg/m² $dk^{0.5}$ Wc2
Flexural Strength (EN 1015-11): Min. 2 N/mm²
Compressive Strength (EN 1015-11): Min. 10 N/mm²
Water Vapor Permeability Coefficient: Max.15

CE TSE 13687: 2016: April 2019 (February 2017)

3601 Mantomix
Insulation Board Adhesive and Plaster

Cement-based thermal insulation board adhesive and general-purpose interior/exterior plaster.

Fields of Application
• Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data
Colour: Gray-White Powder
Shelf Life: 12 months when stored in the original sealed packaging in dry place.
Packaging: 25 kg multi-ply paper bags

Application Data
Consumption: 4-5 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 6- 6.5 lt water / 25 kg powder

Performance Data	EN 998-1	TS 13566
Adhesion to the Thermal Insulation Board (EN 13494)	—	Min 0.08 N/mm²
Water Absorption (EN 1015-18)	≤ 0.40 kg/m² $dk^{0.5}$ W2	—
Water Absorption (EN 12808-5)	—	30 dk. Max. 5 gr 240 dk max 10 gr
Compressive Strength (EN 1015-11)	≥ 6 N/mm² CS IV	≥ 6 N/mm²
Bonding Strength - Type of Break (EN 1015-12)	≥ 0.50 N/mm² - B	≥ 0.5 N/mm² - B
Bulk Density of Hardened Mortar (EN 1015-10)	1400 ± 100 kg/m³	—
Water Vapor Permeability Coefficient (μ) (EN 1015-19)	—	≤ 15
Flexural Strength (EN 1015-11)	—	Min. 2 N/mm²
Thermal Conductivity (EN 1745)	0.61 W/mK (Table Value) (P=50%)	—
Reaction to Fire (EN 13501-1)	A1	A1
Temperature Resistance	(-30°C) - (+80°C)	(-30°C) - (+80°C)
Dangerous Substances	See SDS	See SDS

QB CE TSE 13566 / June 2013

40% LIGHTER ADHESIVE AND PLASTER MORTAR
25% LIGHTENS THE THERAMAL INSULATION SYSTEM BY 25%
40% LOWER WATER ABSORPTION
LIGHT EASY-TO-APPLY AND MORE PRACTICAL

3602 Mantostone
Light-Weight Adhesive and Plaster for Insulation Boards

Light adhesion and plaster mortar specially designed for stone wool thermal insulation systems.

Fields of Application
• Interior and exterior walls of all buildings; adhesion of XPS, EPS and Stone Wool thermal insulation boards.

General Data
Appearance: Grey and White powder
Shelf Life: 12 months when stored in the original sealed packaging in dry place.
Packaging: 15 kg multi-ply paper bags

Application Data
Consumption: 2.5-3 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel trowel
Pot Life: 3 hours
Mixing Ratio: 5.5-6.5 lt water / 15 kg grey powder
6.5-7.5 lt water / 15 kg white powder

Performance Data	EN 998-1	TS 13566
Adhesion to the Thermal Insulation Board(EN 13494)	—	Min 0.08 N/mm²
Water Absorption (EN 1015-18)	≤ 0.20 kg/m²dk Wc2	—
Water Absorption (EN 12808-5)	—	30 dk. Max. 5 gr 240 dk max 10 gr
Compressive Strength (EN 1015-11)	≥ 6 N/mm² CS IV	≥ 6 N/mm²
Bonding Strength - Type of Break (EN 1015-12)	≥ 0.50 N/mm² - B	≥ 0.5 N/mm² - B
Bulk Density of Hardened Mortar (EN 1015-10)	≤ 1300 kg/m³ LW	—
Water Vapor Permeability Coefficient (μ) (EN 1745)	≤ 15	—
Flexural Strength (EN 1015-11)	—	Min. 2 N/mm²
Thermal Conductivity (EN 1745)	0.33 W/mK (Table Value)(P=50%)	—
Reaction to Fire (EN 13501-1)	A1	A1
Temperature Resistance	(-30°C) - (+80°C)	(-30°C) - (+80°C)
Dangerous Substances	See SDS	See SDS

QB CE TSE TS EN 998-1 / 2017

4081 Minart Silver 100
Mineral Based Fine Textured Decorative Coating

Cement based, fine textured decorative exterior coating material.

Fields of Application
• Used on well plastered surfaces of exterior coating systems.

General Data
Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Consumption: 2.0 - 2.2 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 4.75 - 5.50 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5 - 7.5 N/mm² CS III
Bonding Strength – Type of Break (EN 1015 - 12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1400 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ - Wc1
Water Vapor Permeability Coefficient/(μ) (TS EN 1015-19): < 15 (Table Value)
Thermal Conductivity (EN 1745): ≤ 0.53 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1) : A1
Dangerous Substances (EN 998 - 1): See SDS

CE TSE TS EN 998-1 (July 2011)

4086 Minart Silver 150
Mineral Based Fine Textured Decorative Coating

Cement based, fine textured decorative exterior coating material.

Fields of Application
• Used on well plastered surfaces of exterior coating systems.

General Data
Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Consumption: 2.0 - 2.2 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 5.25 - 6.00 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5-7.5 N/mm²- CS III
Bonding Strength – Type of Break (EN 1015-12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1400 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ - Wc1
Water Vapor Permeability Coefficient/(μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.53 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 1501 - 1): A1
Dangerous Substances (EN 998 - 1): See SDS

CE TSE TS EN 998-1 (February 2017)

Thermal Insulation Applications

4082 Minart Silver 200
Mineral Based Decorative Coating

Cement based, decorative exterior coating material.

Fields of Application
• Used on well plastered surfaces of exterior coating systems.

General Data
Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags.

Application Data
Consumption: 2.4 - 2.8 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 5.75 - 6.5 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5-7.5 N/mm²- CS III
Bonding Strength – Type of Break (EN 1015 - 12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1400 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ - Wc1
Water Vapor Permeability Coefficient/(μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.53 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1): A1
Dangerous Substances (EN 998 - 1): See SDS

TS EN 998-1 / 2017

4085 Minart Silver 300
Mineral Based Coarse Textured Decorative Exterior Coating

Cement-based, coarse textured decorative exterior coating.

Fields of Application
• Used on well plastered surfaces of exterior coating systems.

General Data
Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packing in a dry place.
Packaging: 25 kg multi-ply paper bags

Application Data
Consumption: 3.8-4.0 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 25 kg powder / 5.75 - 6.5 lt water

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5 - 7.5 N/mm²- CS III
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1500 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ - Wc1
Water Vapor Permeability Coefficient/(μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.61 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1) : A1
Dangerous Substances (EN 998 - 1): See SDS

TS EN 998-1 (July 2011)

4084 Minart Dekor 300
Mineral Based Line Textured Decorative Coating

Cement-based, line-texture decorative coating.

Fields of Application
• Used on well plastered surfaces of exterior coating systems.

General Data
Colour: White colour
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed
Packaging: 25 kg multi-ply paper bags.

Application Data
Consumption: 3.0 - 3.5 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 25 kg powder / 5.5 - 6.25 lt water

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): ≥ 6 N/mm² - CS IV
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.60 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1600 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ - Wc1
Water Vapor Permeability Coefficient/(μ) (TS EN 1015-19): < 15
Thermal Conductivity (EN 1745): ≤ 0.72 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501 - 1) : A1
Dangerous Substances (EN 998 - 1): See SDS

TS EN 998-1 (July 2011)

4088 Minart Pro 300
Mineral Based Line Textured Decorative Coating

White cement based, with high water repellency, top coating that creates rough line texture on the thermal insulation systems.

Fields of Application
• Used on well plastered surfaces of exterior coating systems.

General Data
Colour: White
Composition: Cement based
Shelf Life: 12 months when stored in the original sealed packaging in dry place.
Packaging: 25 kg paper bags.

Application Data
Consumption: Approximately 4.0 kg/m²
Application Temperature Range: (+5°C) - (+35°C)
Application Tools: Steel and plastic trowel
Mixing Ratio: 5 - 5.5 lt water / 25 kg powder

Performance Data (at 23°C and 50% RH)
Service Temperature Range: (-30°C) - (+80°C)
Compressive Strength (EN 1015-11): 3.5 - 7.5 N/mm² CS III
Bonding Strength - Type of Break (EN 1015-12): ≥ 0.45 N/mm² / B
Bulk Density of Hardened Mortar (EN 1015-10): 1450 ± 100 kg/m³
Capillary Water Absorption - Class (EN 1015-18): ≤ 0.40 kg/m² $dk^{0.5}$ - Wc1
Water Vapor Permeability Coefficient/(μ) (EN 1745): ≤ 15
Thermal Conductivity (EN 1745): ≤ 0.57 W/m.K (Table Value) P = 50%
Reaction to Fire (EN 13501-1): A1
Dangerous Substances (EN 998-1): See SDS

TS EN 998-1 (July 2011)

Kalekim Thermal Insulation System Accessories

Kalekim EPS Reinforcement Mesh
It is a glass wool material having impregnated fiber layers against alkali and chemicals.

Kalekim EPS Meshed PVC Corner Profile
It is the meshed PVC profile used to reinforce the weak sections (edges, corners, etc.) that are most easily affected from external factors.

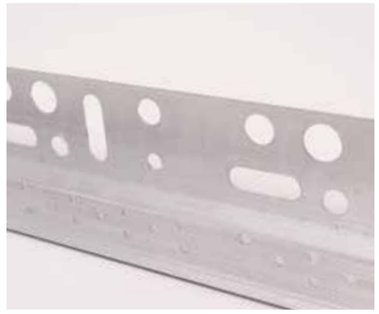
Kalekim Anchor with Plastic Nail
It is the mechanical fitting piece that is used to fix the Kalekim EPS Thermal Insulation Boards to the facade.

Kalekim Anchor with Steel Nail
It is a mechanical fitting piece which is used to fix the Kalekim Thermal Insulation Boards to the reinforced concrete and hard surfaces. Steel nail is particularly preferred in Stone Wool insulation applications.

Kalekim Wooden “OSB” Anchor with Screw
Plastic drill-tipped metal screws used in Kalekim thermal insulation applications on wood (OSB etc.) and cement-bonded particleboard surfaces.

Kalekim Aerated Concrete Anchor
Plastic screw or steel nail fitting piece used in Kalekim thermal insulation applications on aerated concrete surfaces. Selected depending on insulation material type and thickness.

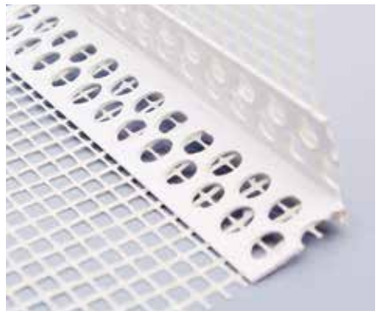
Kalekim Thermal Insulation System Accessories



Kalekim Inundation Profile
It is an aluminum profile which protects the system against impacts and that is used as inundation plane.

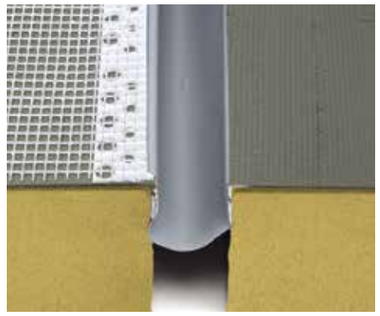
Kalekim Aluminum Corner Profile
It is an aluminum profile which protects the external corners against impacts.

Kalekim Aluminum Edging Profile
It is an aluminum profile which is used in corbels to protect the facade against water.



Kalekim Meshed PVC Edging Profile
It is a meshed PVC profile which is used in corbels to protect the facade against water.

Kalekim Joint Gap Profile
It is a profile which is used to form joints on the facade.



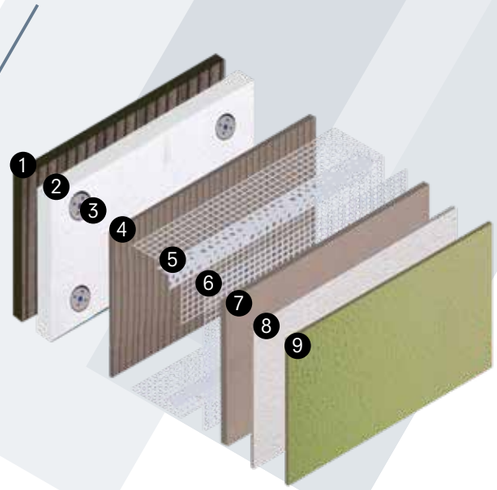
Kalekim Dilatation Profile
It is a profile which is used to cover the dilatation space and enable sheathing system to function at dilatation points.

Kalekim Sill Profile
It is an aluminum and PVC profile which is used to lengthen the current windowsill.

Kalekim Inundation Wedge
It is a plastic material which is used to smooth the undulation existing on the facade and balance the inundation profile.

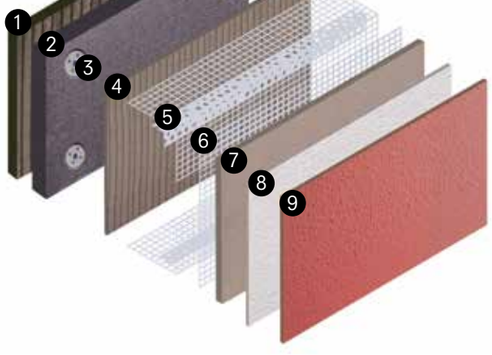
Kalekim Sinker Heading
It is a fixture which is used to place the anchor heading firmly on Kalekim EPS boards.

Kalekim Thermal Insulation Components



Kalekim White EPS System Components

1- Kalekim White EPS Foamtech / Mantotech Adhesive Mortar
2- Kalekim White EPS Thermal Insulation Board
3- Kalekim White EPS Anchor
4- Kalekim White EPS Foamplast / Mantoplast Plaster Mortar
5- Kalekim White EPS Meshed PVC Corner Profile
6- Kalekim White EPS Reinforcement Mesh
7- Kalekim White EPS Foamplast / Mantoplast Plaster Mortar
8- Kale Silastar / Kale Alkali Primer
9- Kale Paint, Plaster and Decorative Coating



Kalekim Carbon EPS System Components

1- Kalekim Carbon EPS Foamtech / Mantotech / Mantomix Adhesive Mortar
2- Kalekim Carbon EPS Thermal Insulation Board
3- Kalekim Carbon EPS Anchor
4- Kalekim Carbon EPS Foamplast / Mantoplast / Mantomix Plaster Mortar
5- Kalekim Carbon EPS Meshed PVC Corner Profile
6- Kalekim Carbon EPS Reinforcement Mesh
7- Kalekim Carbon EPS Foamplast / Mantoplast / Mantomix Plaster Mortar
8- Kale Silastar / Kale Alkali Primer
9- Kale Decorative Plaster and Coating

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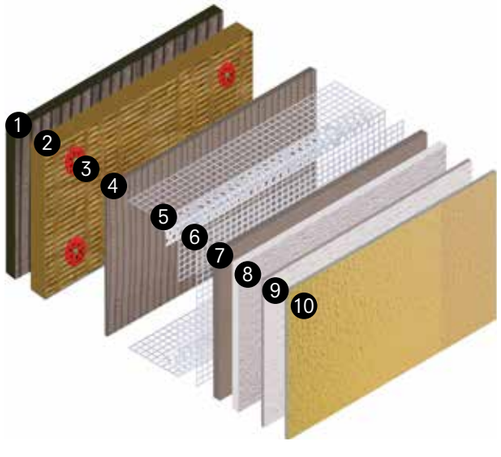
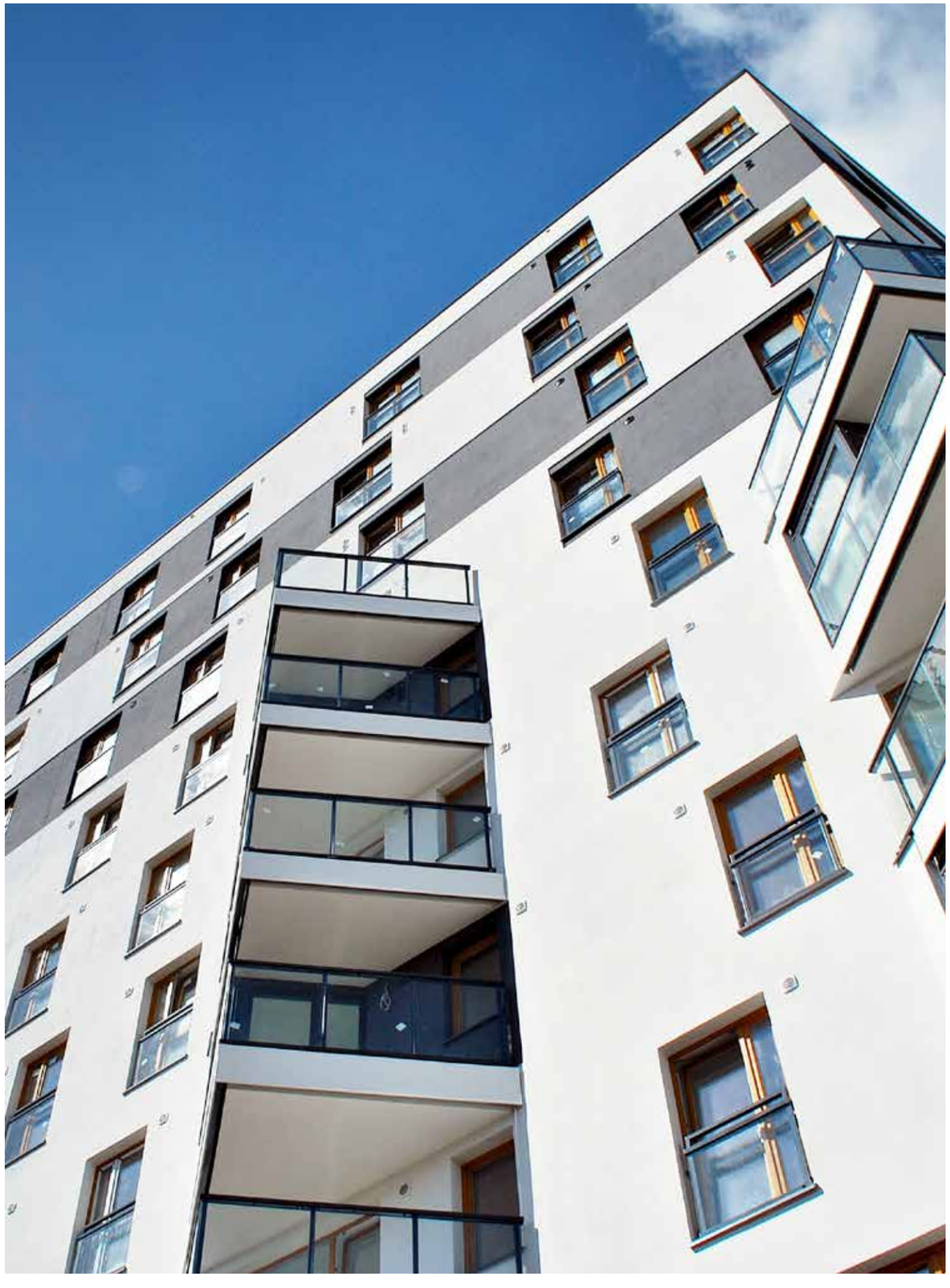


Kalekim Stone Wool System Components

1- Kalekim Stone Wool Mantotech / Mantostone Adhesive Mortar
2- Kalekim Stone Wool Thermal Insulation Board
3- Kalekim Stone Wool Anchor
4- Kalekim Stone Wool Mantoplast / Mantostone Plaster Mortar
5- Kalekim Stone Wool Meshed PVC Corner Profile
6- Kalekim Stone Wool Reinforcement Mesh
7- Kalekim Stone Wool Mantoplast / Mantostone Plaster Mortar
8- Kalekim Minart Silver / Minart Dekor
9- Kale Silastar / Kale Alkali Primer
10- Kale Paint, Plaster



Kalekim

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