durable
& highly
aesthetic
result

TILE FIXING SYSTEMS

isomat
building quality

Contents

isomat
building quality

The purpose of this brochure is to present ISOMAT's integrated solutions for fixing tiles and natural stones in the most demanding applications, such as balconies, wet rooms, public areas, swimming pools or under-floor heating screeds.

ISOMAT's integrated installation system for tiles and natural stones includes products for substrate preparation and surface waterproofing in combination with the appropriate adhesives and grouts.

The substrate, the surface conditions and the characteristics of tiles and natural stones are very important factors that should be taken into consideration, when selecting the right tile fixing procedure.

It is extremely important to determine the appropriate installation method from the beginning with the utmost care and precision, in order to avoid subsequent errors.
Due to its know-how and many years of experience, ISOMAT offers a wide range of products for the installation of tiles and natural stones, which provide you with the best possible solution.

General Information

ISOMAT's products for waterproofing and tile fixing follow the latest developments in the tile industry and meet the specifications of the European standards and guidelines. The following tables show the requirements that must be met:

CEMENTITIOUS TILE ADHESIVE ACCORDING TO EN 12004

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
C1	**Normal setting cementitious adhesive**	Tensile adhesion strength after 28 days conditioning in standard test conditions	EN 1348, 8.2	≥ 0.5 N/mm^2
		Tensile adhesion strength after heat aging for 14 days at +70°C	EN 1348, 8.4	≥ 0.5 N/mm^2
		Tensile adhesion strength after water immersion for 21 days at normal temperature	EN 1348, 8.3	≥ 0.5 N/mm^2
		Tensile adhesion strength after 25 freeze - thaw cycles	EN 1348, 8.5	≥ 0.5 N/mm^2
		Open time	EN 1346	≥ 20 min

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
C2	**Improved cementitious adhesive**	Tensile adhesion strength after 28 days conditioning in standard test conditions	EN 1348, 8.2	≥ 1.0 N/mm^2
		Tensile adhesion strength after heat aging for 14 days at +70°C	EN 1348, 8.4	≥ 1.0 N/mm^2
		Tensile adhesion strength after water immersion for 21 days at normal temperature	EN 1348, 8.3	≥ 1.0 N/mm^2
		Tensile adhesion strength after 25 freeze - thaw cycles	EN 1348, 8.5	≥ 1.0 N/mm^2
		Open time	EN 1346	≥ 20 min

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
T	**Adhesive with reduced slip**	Determination of slip	EN 1308	≤ 0.5 mm
E	**Adhesive with extended open time**	Determination of open time	EN 1346	≥ 0.5 N/mm^2 after at least 30 min
F	**Fast-setting adhesive**	Determination of tensile adhesion strength after 6 h	EN 1348	≥ 0.5 N/mm^2 after the last 6 h
S1	**Deformable adhesive**	Determination of transverse deformation	EN 12002	≥ 2.5 mm and < 5 mm
S2	**Highly deformable adhesive**	Determination of transverse deformation	EN 12002	≥ 5 mm

CEMENTITIOUS GROUTS ACCORDING TO EN 13888

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
CG1	Normal cementitious grout	Abrasion resistance	EN12808-2	≤ 2000 mm^3
		Flexural strength after dry storage	EN12808-3	≥ 2.5 N/mm^2
		Flexural strength after freeze-thaw cycles	EN12808-3	≥ 2.5 N/mm^2
		Compressive strength after dry storage	EN12808-3	≥ 15.0 N/mm^2
		Compressive strength after freeze-thaw cycles	EN12808-3	≥ 15.0 N/mm^2
		Shrinkage	EN12808-4	≤ 3.0 mm/m
		Water absorption after 30 min	EN12808-5	≤ 5.0 g
		Water absorption after 240 min	EN12808-5	≤ 10 g

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
CG2	Improved cementitious grout	High abrasion resistance (A)	EN12808-2	≤ 1000 mm^3
		Flexural strength after dry storage	EN12808-3	≥ 2.5 N/mm^2
		Flexural strength after freeze-thaw cycles	EN12808-3	≥ 2.5 N/mm^2
		Compressive strength after dry storage	EN12808-3	≥ 15.0 N/mm^2
		Compressive strength after freeze-thaw cycles	EN12808-3	≥ 15.0 N/mm^2
		Shrinkage	EN12808-4	≤ 3.0 mm/m
		Reduced water absorption after 30 min (W)	EN12808-5	≤ 2.0 g
		Reduced water absorption after 240 min (W)	EN12808-5	≤ 5 g

DISPERSION ADHESIVE ACCORDING TO EN 12004

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
D1	Normal dispersion adhesive	Initial shear adhesion strength in standard conditions	EN 1324, 7.2	≥ 1.0 N/mm^2
		Shear adhesion strength after heat aging	EN 1324, 7.4	≥ 1.0 N/mm^2
		Open time	EN 1346	≥ 20 min

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
D2	Improved dispersion adhesive	Initial shear adhesion strength in standard conditions	EN 1324, 7.2	≥ 1.0 N/mm^2
		Shear adhesion strength under high temperature conditions	EN 1324, 7.4	≥ 1.0 N/mm^2
		Shear adhesion strength after heat aging	EN1324, 7.5	≥ 1.0 N/mm^2
		Shear adhesion strength after water immersion	EN 1324, 7.3	≥ 0.5 N/mm^2
		Open time	EN 1346	≥ 20 min

REACTION RESIN ADHESIVES ACCORDING TO EN 12004

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
R1	Normal reaction resin adhesive	Initial shear adhesion strength in standard conditions	EN 12003, 7.3	≥ 2.0 N/mm²
		Shear adhesion strength after water immersion	EN 12003, 7.4	≥ 2.0 N/mm²
		Open time	EN 1346	≥ 20 min

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
R2	Improved reaction resin adhesive	Initial shear adhesion strength in standard conditions	EN 12003, 7.3	≥ 2.0 N/mm²
		Shear adhesion strength after water immersion	EN 12003, 7.4	≥ 2.0 N/mm²
		Shear adhesion strength after thermal shock (at +23°C and +100°C)	EN 12003, 7.5	≥ 2.0 N/mm²
		Open time	EN 1346	≥ 20 min

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
RG	Reaction resin grout	Abrasion resistance	EN12808-2	≤ 250 mm³
		Flexural strength after dry storage	EN 12808-3	≥ 30.0 N/mm²
		Compressive strength after dry storage	EN 12808-3	≥ 45.0 N/mm²
		Shrinkage	EN 12808-4	≤ 1.5 N/mm²
		Water absorption after 240 min	EN 12808-5	≤ 0.1 g

STRESS CLASSIFICATION OF UNDER-TILE WATERPROOFING MATERIALS (ACCORDING TO THE CENTRAL ASSOCIATION OF GERMAN CONSTRUCTION INDUSTRY)

Applications officially controlled

CLASS	STRESS	APPLICATION	WATERPROOFING MATERIAL
A	High stress by non-pressing water indoors	Directly and indirectly stressed wall surfaces in rooms in which utility and cleaning water is used frequently or continuously, such as in shower/ swimming pool facilities (public or private)	■ Polymer dispersions (wall) ■ Polymer-modified cement mortar combinations ■ Reaction resins
B	High stress constantly by pressing water from the inside in indoor and outdoor use	Container wall surfaces subject to stress from high-pressure water, such as public and private swimming pools, both indoors and outdoors	■ Polymer-modified cement mortar combinations ■ Reaction resins
C	Wall and floor surfaces at high water stress along withchemical demands	Directly and indirectly stressed wall surfaces very often or continuously exposed to utility and cleaning water, whereby limited chemical stress on the seal occurs, such as in commercial kitchens and laundries	■ Reaction resins

Applications officially uncontrolled

CLASS	STRESS	APPLICATION	WATERPROOFING MATERIAL
A0	Moderate use by non-pressing water indoors	Directly and indirectly stressed wall surfaces in rooms in which utility and cleaning water is not used very often, such as in domestic bathrooms, hotel bathrooms	■ Polymer dispersions (wall) ■ Polymer-modified cement mortar combinations ■ Reaction resins
B0	Moderate use by non-pressing water outdoors	Directly and indirectly stressed outdoor wall surfaces with no water pressure stress, such as on balconies and terraces (not over rooms in use)	■ Polymer-modified cement mortar combinations ■ Reaction resins

Various Substrates

Old tile floorings

The substrate (old tiles) must be clean, stable and sound. Cracks in the substrate must be sealed with the epoxy resins DUREBOND or EPOMAX-L10 by casting or injection process, using suitable adhesion primers, according to the requirements.

Drywall construction elements

Drywall elements are rigidly installed. The product-specific installation instructions of the manufacturer are to be observed in this case (DIN 18183 “prefabricated walls made of plasterboard” and DIN 4103 “Non-load bearing internal partitions”). The flatness must meet the requirements of DIN 18202. Gypsum boards and building boards are to be protected by waterproofing compounds against moisture.

Plaster substrates

Plaster should generally be single-layer and meet the DIN V 18550 & EN 998-1 requirements.
The compressive strength of the plasters must correspond to the required compressive strength class (strength class CS II, CS III and CS IV) and the field of application. The flatness must meet the requirements of DIN 18202. Gypsum plaster must be protected from moderate exposure to moisture in inner wall surfaces with a waterproofing membrane against moisture.

Brickwork

For fixing ceramic tiles on a brickwork surface, the brickwork should be flat and fully pointed, according to DIN 18202.

Wooden substrates

Wooden surfaces must be clean, stable and sound. Loose and damaged wooden boards must be properly attached or replaced accordingly.
Old wooden floors very often show bulges along the boards that need to be leveled before laying any floor coverings. The maximum tile size should not be larger than 30 x 30 cm.

Concrete substrates

Concrete must meet in quality the requirements of DIN 1045-2. Its surface must be free of adhesion-reducing particles such as oil, grease, dust, sinter residue. The adhesion on surfaces made of concrete should be at least 1.0 N/mm^2 and in case of cement screeds at least 0.7 N/mm^2. The flatness must comply with the dimensional tolerances, according to DIN 18202. Cracks in the substrate must be sealed by means of casting or injection with epoxy resins, such as DUREBOND or EPOMAX-L10.

www
isomat
eu

Calcium sulfate and calcium sulfate flow screeds

Calcium sulfate and calcium sulfate flow screeds are sensitive to moisture. Therefore, moisture-loaded areas must be sealed accordingly, or even protected with a vapor barrier. Calcium sulphate screeds are always sanded with 16-grit sandpaper and cleaned with an industrial vacuum cleaner, in compliance with the respective manufacturer's instructions for surface preparation. When tiling, the acceptable residual moisture of heated calcium sulphate screeds should not exceed 0.3% CM, while in case of unheated calcium sulphate screeds, it should not exceed 0.5% CM. Before fitting a calcium sulfate screed, rising moisture must be excluded from the substrate, so it has to be sealed with the moisture barrier DUROPRIMER-SG in advance.



Test criteria for substrates

Visual inspection

As a first test, a visual inspection must be carried out. This ensures that any existing buildup, loose materials, etc. can be instantly detected on the substrate.

Flatness testing

The dimensional tolerances are described in DIN 18202. The test is performed with a ruler and a measuring wedge.

Wipe test

Soiling can be tracked down by wiping the substrate with the palm of your hand.

Knock test

This test can be carried out by knocking on the substrate with a hammer, thus detecting hollow areas.

Wetting Test

With this test the absorbency of the substrate is detected. It is also used to detect substrates that are already loaded with moisture.

Hammer impact test

The test is used for the detection of soft and brittle layers under thin, hard layers.

Grid scratch test

The test with the grid scratch device is used to determine the surface texture. There must be no ruptures at the intersections.

Moisture measurement

This test is carried out using a CM-measuring device, in order to determine the moisture content of the substrate.

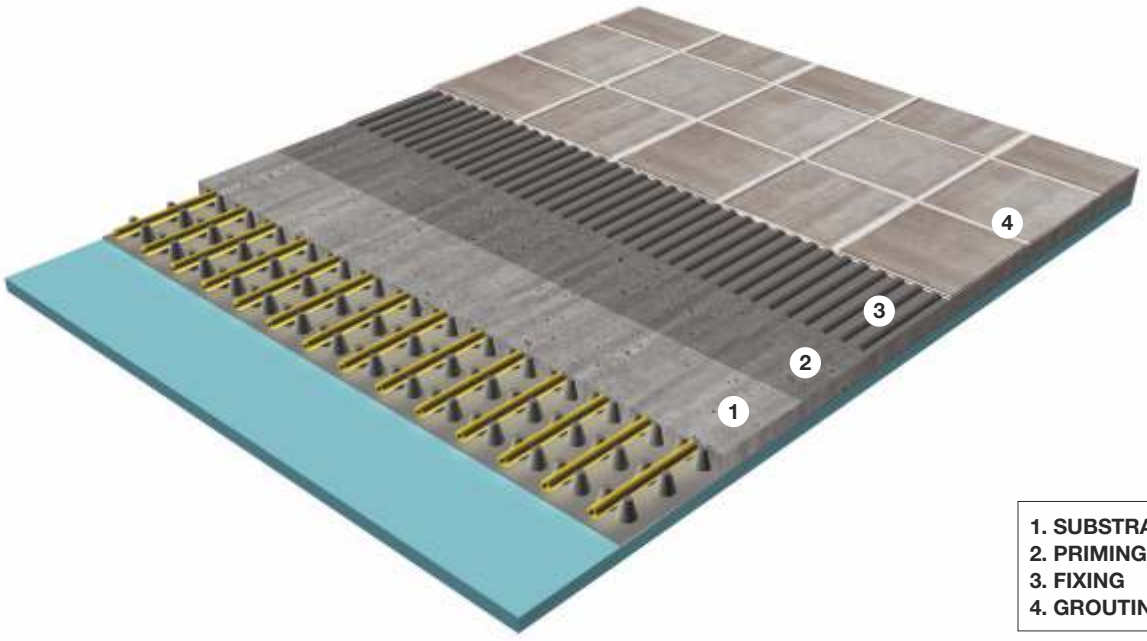
Substrate preparation

The substrate preparation required can be defined, according to the tests described above. Depending on the nature of the substrate, the preparation may involve different procedures, such as sweeping, vacuuming, brushing, grinding, milling, sand blasting, shot blasting, high-pressure water jetting and flame scarfing. In addition, cracks in concrete or screed, should be sealed prior to the laying of tiles, with epoxy resins, such as DUREBOND or EPOMAX-L10, by casting or injection process.
To regulate the absorbency in absorbent substrates, water-based or epoxy primers may be applied, depending on the requirements.

Tile fixing on heated screeds

There are two types of underfloor heating, the hot water and the electric floor heating, which are laid under screeds such as cement, calcium sulphate screeds, etc. The surface must be free from adhesion-reducing particles, such as grease, dust, sintered layers and oil residue. The residual moisture in cement screeds must not exceed a max. of 2% CM and in case of calcium sulphate screeds a max. of 0.3% CM.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
	Adhesion primer for roughening smooth surfaces	**ISOMAT SUPERGRUND**
	Two-component, water-based epoxy primer	**EPOXYPRIMER-W**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC**
FIXING	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. FIXING
4. GROUTING

Tile fixing on heated screeds

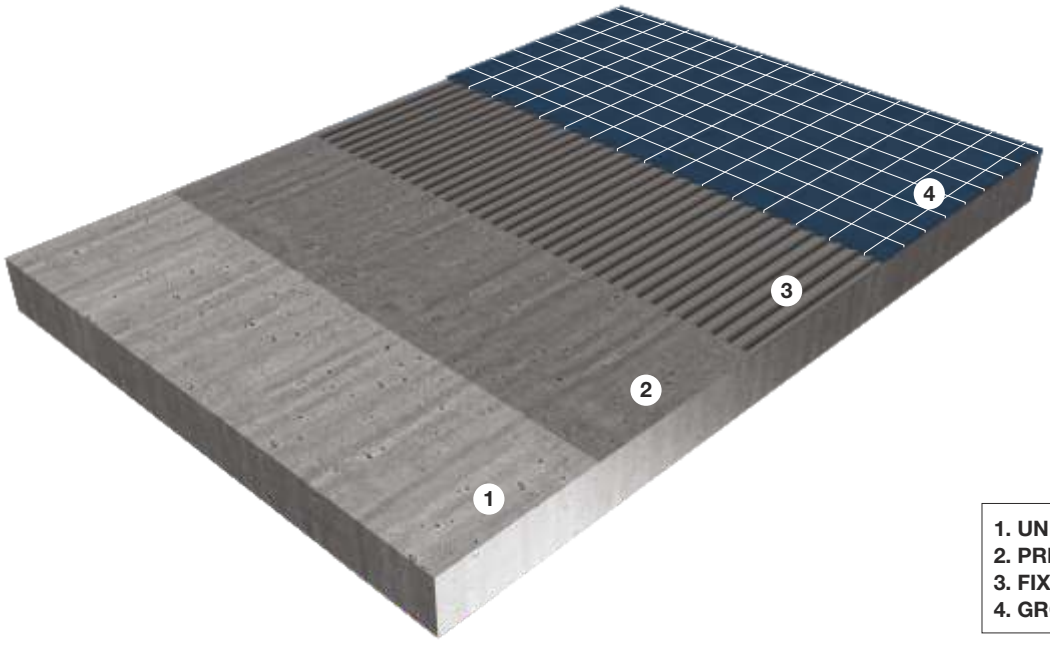
FLOOR SURFACES

- Prime with UNI-PRIMER, in case of cement screeds, and with ISOMAT SUPERGRUND or EPOXYPRIMER-W along with quartz sand, in case of calcium sulphate screeds.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix the tiles with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK 25, ISOMAT AK-RAPID FLEX, ISOMAT AK-MARBLE or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

Tile fixing on interior green cement screeds or concrete < 28 days

The fresh cement screed surface must show high adhesion and be free from sinter layers. For earlier use, it is required to use flexible, stress-relieving S2-adhesive mortars, in order to reduce the resulting shear stress in the composite zone.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC**
FIXING	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. UNDERGROUND
2. PRIMING
3. FIXING
4. GROUTING

Tile fixing on interior green cement screeds or concrete < 28 days

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix the tiles with ISOMAT AK 25 or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

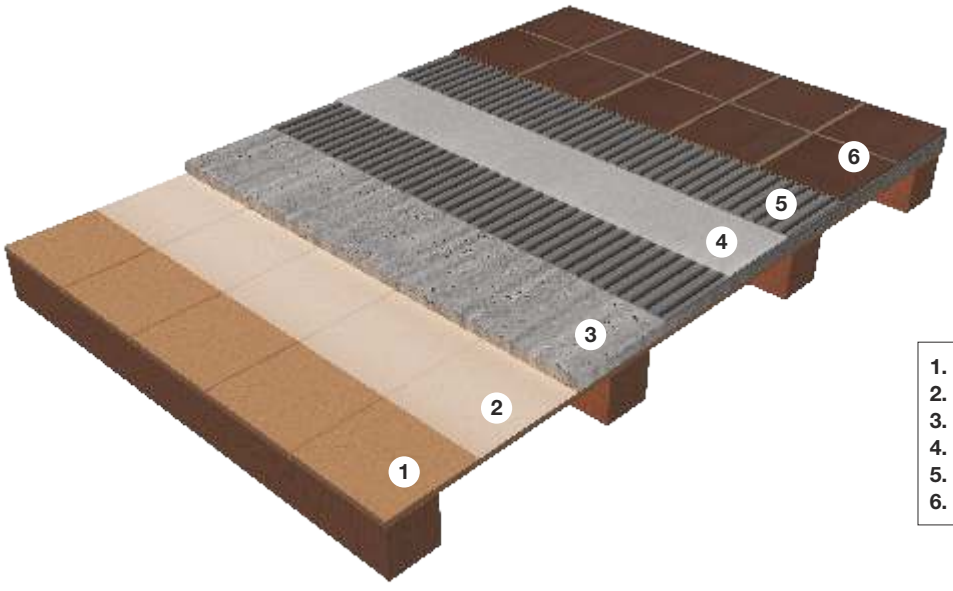
WALL SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix the tiles with ISOMAT AK 25.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

Tile fixing on wooden floors

Wood is a critical substrate for laying tiles due to its swelling and shrinking behavior. Very often it is necessary to level old wooden floors before the laying of ceramic tiles along with a leveling compound. Wooden floorboards must be placed without being bent or exposed to vibration; they must remain stable (maximum beam distance about 40 cm) and be firmly screwed. Sufficient ventilation should be permanently ensured. Any existing bond-inhibiting ingredients, such as old paint and wax residue must be completely removed. Perimeter and movement joints of the boards should be sealed with a PU joint sealant in advance.

PRIMING	Two-component, water-based epoxy primer	**EPOXYPRIMER-W**
	Two-component, solvent-free epoxy primer	**DUROFLOOR-PSF**
LEVELING	Fast-setting, self-leveling, polymer-modified cementitious screed	**FLOWCRET 1-10 EXPRESS**
	Fast-setting, self-leveling, polymer-modified compound	**FLOWCRET 3-30 EXPRESS**
UNCOUPLING	Uncoupling membrane	**ISOMAT UNCOUPLING MEMBRANE**
	Waterproofing and uncoupling membrane	**ISOMAT WATERPROOFING & UNCOUPLING MEMBRANE**
FIXING	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Low-dust, polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 21**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. UNCOUPLING
5. FIXING
6. GROUTING

Tile fixing on wooden floors

FLOOR SURFACES

- Prime with EPOXYPRIMER-W or DUROFLOOR-PSF along with quartz sand.
- Level the substrate with FLOWCRET 1-10 EXPRESS or FLOWCRET 3-30 EXPRESS, depending on the requirements. Leave margins for rising building parts with a 10 mm marginal strip.
- Uncouple with ISOMAT UNCOUPLING MEMBRANE or ISOMAT WATERPROOFING & UNCOUPLING MEMBRANE, depending on the requirements.
- Fix with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK 21, ISOMAT AK-MARBLE, ISOMAT AK-RAPID FLEX, ISOMAT AK 25 or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

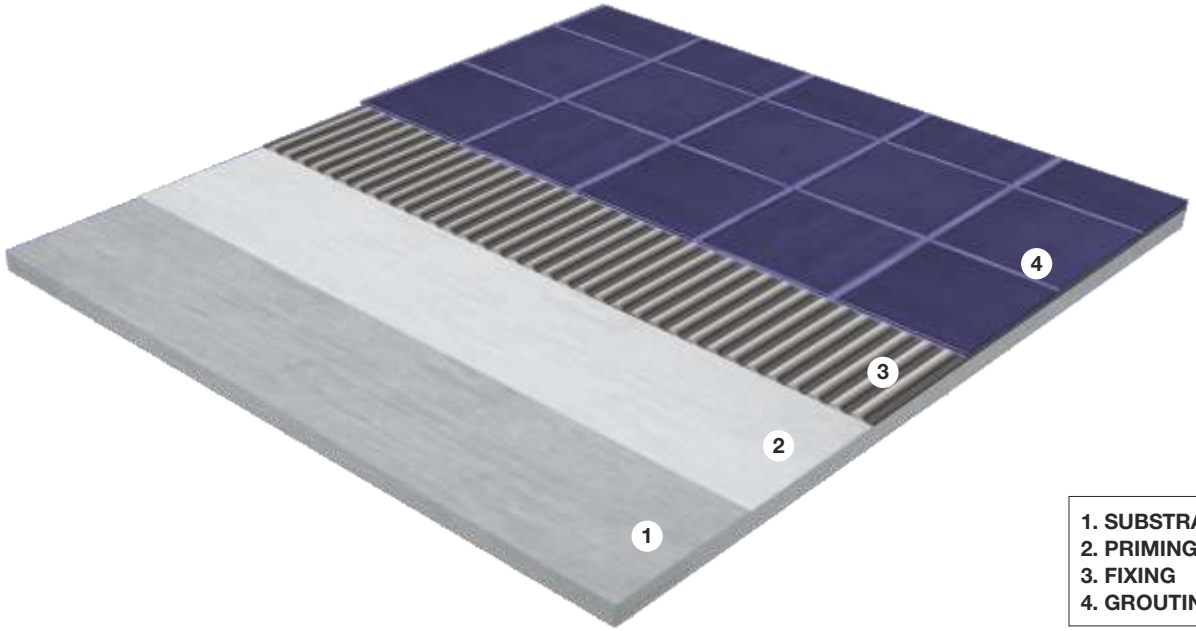
Tile fixing on calcium sulfate and calcium sulfate flow screeds

Calcium sulfate and calcium sulfate flow screeds are directly sanded before installation, and then vacuumed.

PRIMING	Adhesion primer for roughening smooth surfaces	**ISOMAT SUPERGRUND**
	Two-component, water-based epoxy primer	**EPOXYPRIMER-W**
FIXING	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**

FLOOR SURFACES

- Prime with ISOMAT SUPERGRUND or EPOXYPRIMER-W and broadcast with quartz sand (0.4-1.0 mm).
- Fix with ISOMAT AK-MARBLE or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.



1. SUBSTRATE
2. PRIMING
3. FIXING
4. GROUTING

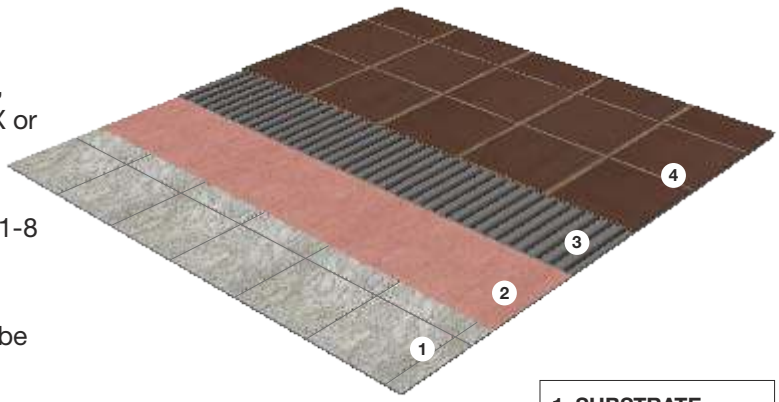
Tile fixing on old ceramic tiles

The old tiled surface must be sound; loose components should be removed and the surface should be evened out/restored with a suitable cement mortar. The surface must be dry, firm, sufficiently flat, free of dust, oil, grease, paint, sinter layers, etc. Light sanding of the old tiled surface increases the adhesion of the primer.

PRIMING	Adhesion primer for roughening smooth surfaces	**ISOMAT SUPERGRUND**
	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC**
FIXING	High-performance, polymer-modified tile adhesive C2TE	**ISOMAT AK 12**
	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Low-dust, polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 21**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**

FLOOR SURFACES

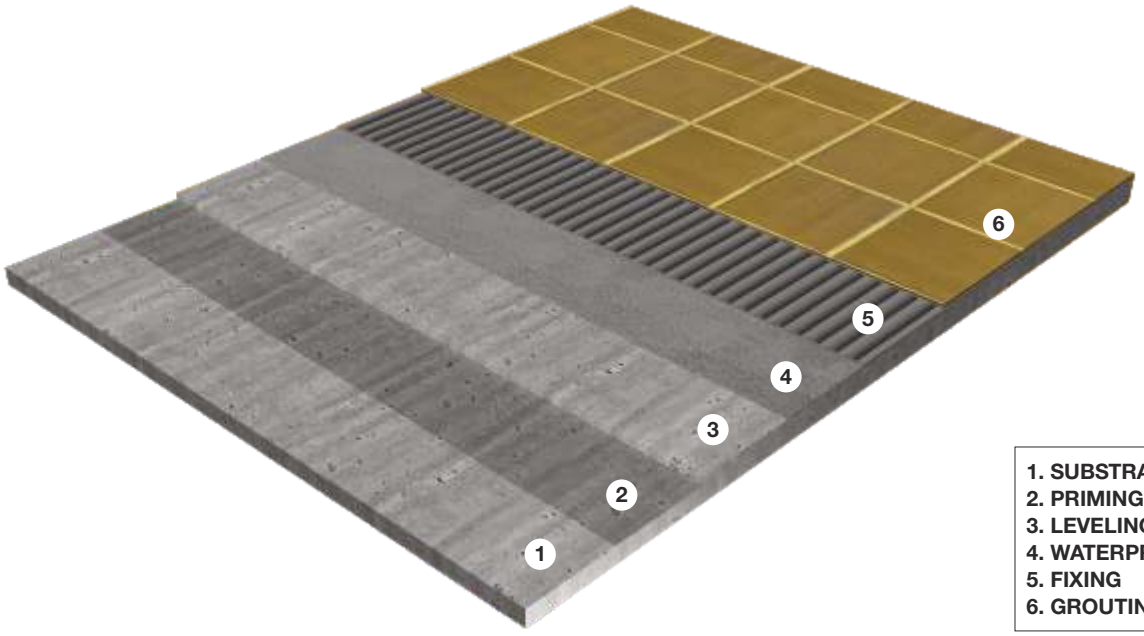
- Prime with ISOMAT SUPERGRUND or AQUAMAT-ELASTIC.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix with ISOMAT AK 12, ISOMAT AK 20, ISOMAT AK 21, ISOMAT AK 22, ISOMAT AK 25, ISOMAT AK-MARBLE, ISOMAT AK-RAPID FLEX or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.



1. SUBSTRATE
2. PRIMING
3. FIXING
4. GROUTING

Waterproofing and tiling on balconies and terraces

Wet areas by non-pressing water, Exposure class B0.		
PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
	Two-component, solvent-free epoxy primer	**DUROPRIMER-SG**
LEVELING	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
	Polymer-modified, fiber-reinforced repairing cement mortar	**DUROCRET-PLUS**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC & Sealing Components**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC & Sealing Components**
FIXING	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Polymer-modified, full-bed tile adhesive C2ES1	**ISOMAT AK-FLUX**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. WATERPROOFING
5. FIXING
6. GROUTING

Waterproofing and tiling on balconies and terraces

BALCONIES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS, depending on the requirements.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC on existing screeds with a min. of 1.5% gradient.
- Fix with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK-RAPID FLEX, ISOMAT AK-FLUX, ISOMAT AK-MARBLE or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant, in compliance with the field parameters.

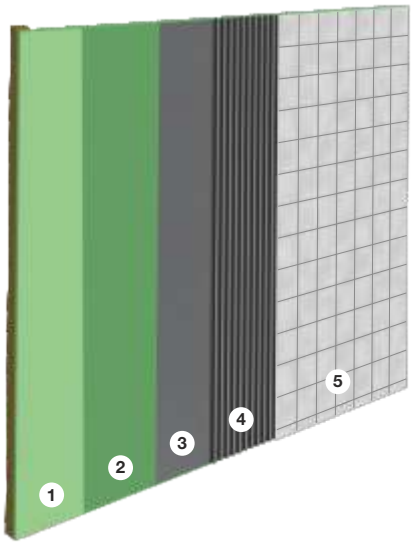
TERRACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption. On floors with rising damp, it is recommended to use DUROPRIMER-SG with quartz sand (0.4-1.0 mm).
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS, depending on the requirements.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC on existing screeds with a min. of 1.5% gradient.
- Fix with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK-RAPID FLEX, ISOMAT AK-FLUX, ISOMAT AK-MARBLE or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant, in compliance with the field parameters.

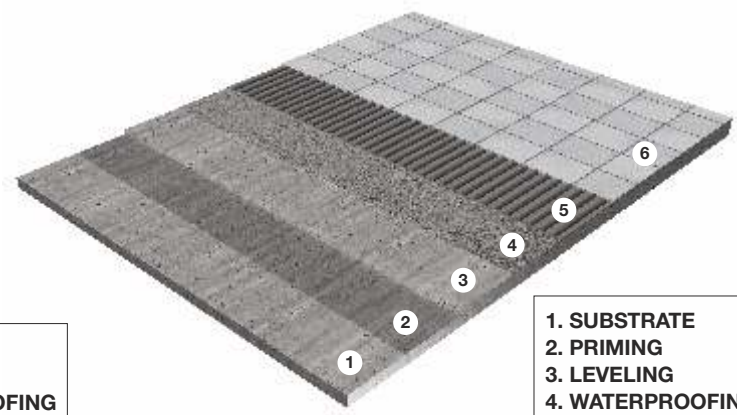
Waterproofing and tiling in private bathrooms

Moisture stress areas A0 (according to the Central Association of German Construction Industry): the substrate must be protected from moisture.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
LEVELING	Polymer-modified, repairing cement mortar	**DUROCRET**
	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
	Polymer-modified, fiber-reinforced repairing cement mortar	**DUROCRET-PLUS**
WATERPROOFING	Elastomeric liquid membrane for waterproofing under tiles	**ISOMAT SL 17 & Sealing Components**
	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC & Sealing Components**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC & Sealing Components**
FIXING	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Low-dust, polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 21**
	Light-weight, flexible tile adhesive C2TE S1	**ISOMAT AK-LIGHT**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. WATERPROOFING
4. FIXING
5. GROUTING



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. WATERPROOFING
5. FIXING
6. GROUTING

Waterproofing and tiling in private bathrooms

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET, DUROCRET-FAST or DUROCRET-PLUS, depending on the requirements.
- Seal with ISOMAT SL 17, AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, depending on the requirements.
- Fix with ISOMAT AK 20, ISOMAT AK 21, ISOMAT AK 22, ISOMAT AK-LIGHT, ISOMAT AK-RAPID FLEX, ISOMAT AK-MARBLE or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

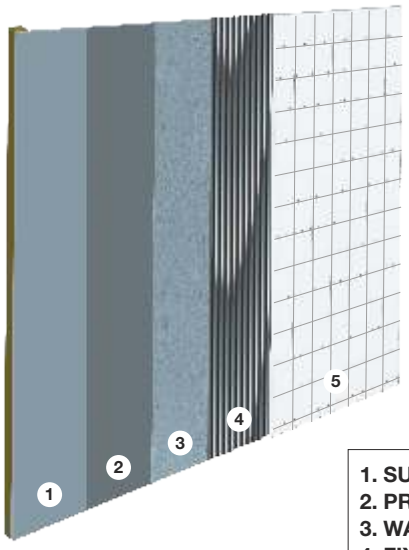
WALL SURFACES

- Prime with UNI-PRIMER on plasterboard for strengthening the substrate and regulating its absorbency.
- Seal with ISOMAT SL 17, AQUAMAT, AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, depending on the requirements.
- Fix with ISOMAT AK 20, ISOMAT AK 21, ISOMAT AK 22, ISOMAT AK-LIGHT, ISOMAT AK-RAPID FLEX or ISOMAT AK 25, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

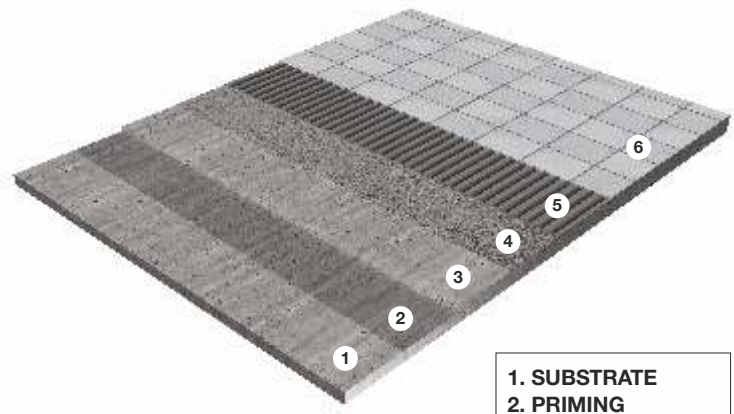
Waterproofing and tiling in public showers

Moisture stress areas A1 and A2 (according to the Central Association of German Construction Industry): the substrate is highly stressed by industrial and cleaning water.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
LEVELING	Polymer-modified, repairing cement mortar	**DUROCRET**
	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
	Polymer-modified, fiber-reinforced repairing cement mortar	**DUROCRET-PLUS**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC & Sealing Components**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC & Sealing Components**
FIXING	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Low-dust, polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 21**
	Light-weight, flexible tile adhesive C2TE S1	**ISOMAT AK-LIGHT**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Two-component epoxy grout & tile adhesive for floors	**MULTIFILL-EPOXY FLOW**
	Two-component, colored epoxy grout & tile adhesive for walls	**MULTIFILL-EPOXY THIXO**



1. SUBSTRATE
2. PRIMING
3. WATERPROOFING
4. FIXING
5. GROUTING



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. WATERPROOFING
5. FIXING
6. GROUTING

Waterproofing and tiling in public showers

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET, DUROCRET-FAST or DUROCRET-PLUS, depending on the requirements.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC. Depending on the case, the appropriate sealing components must be considered.
- Fix with ISOMAT AK 20, ISOMAT AK 21, ISOMAT AK 22, ISOMAT AK-RAPID FLEX, ISOMAT AK 25, ISOMAT AK-MEGARAPID or ISOMAT AK-LIGHT, depending on the requirements.
- Grout with MULTIFILL-EPOXY FLOW.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

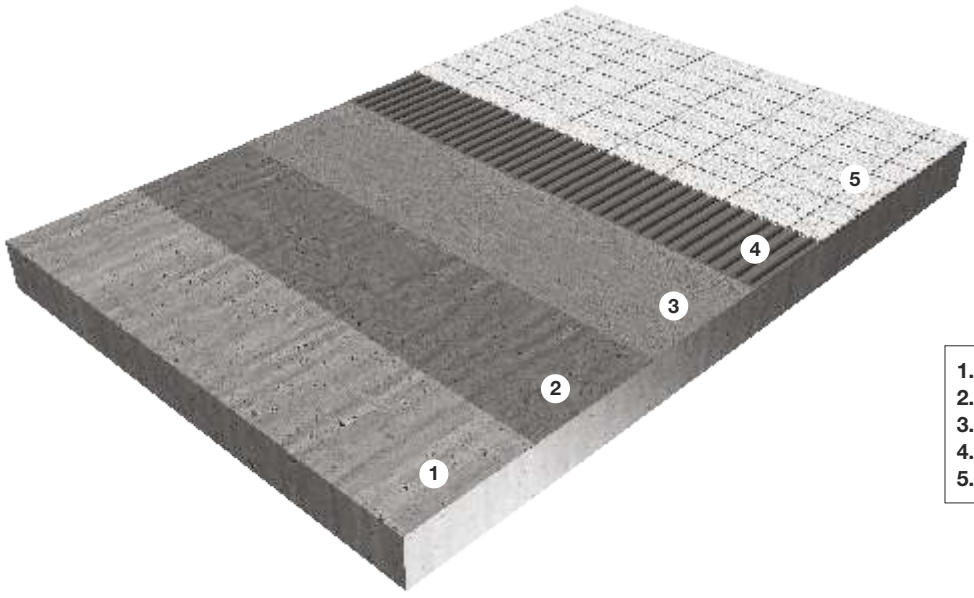
WALL SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET, DUROCRET-FAST or DUROCRET-PLUS, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC. Depending on the case, the appropriate sealing components must be considered.
- Fix with ISOMAT AK 20, ISOMAT AK 21, ISOMAT AK 22, ISOMAT AK-RAPID FLEX, ISOMAT AK 25 or ISOMAT AK-LIGHT, depending on the requirements.
- Grout with MULTIFILL-EPOXY THIXO.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

Waterproofing and tiling in swimming pools

Moisture stress areas B (according to the Central Association of German Construction Industry): swimming pools are usually built with waterproof concrete, according to DIN EN 206-1/DIN 1045-2. Depending on the static condition, the pool walls can be made of masonry. Joints and penetrations in the concrete body should be sealed accordingly. In addition, swimming pools that lie on the ground must be properly sealed from the outside.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
LEVELING	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
	Polymer-modified, fiber-reinforced repairing cement mortar	**DUROCRET-PLUS**
	Fast-setting cement mortar-binder for floor screeds	**SCREED-SX**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC & Sealing Components**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC & Sealing Components**
FIXING	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Two-component epoxy grout & tile adhesive for floors	**MULTIFILL-EPOXY FLOW**
	Two-component, colored epoxy grout & tile adhesive for walls	**MULTIFILL-EPOXY THIXO**
	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. WATERPROOFING
4. FIXING
5. GROUTING

Waterproofing and tiling in swimming pools

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS or create a slope with a screed made of SCREED-SX and sand, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC. Depending on the case, the appropriate sealing components must be considered.
- Fix with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK-MARBLE, ISOMAT AK 25, ISOMAT AK-RAPID FLEX or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL-EPOXY FLOW, MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant for areas under permanent water pressure.

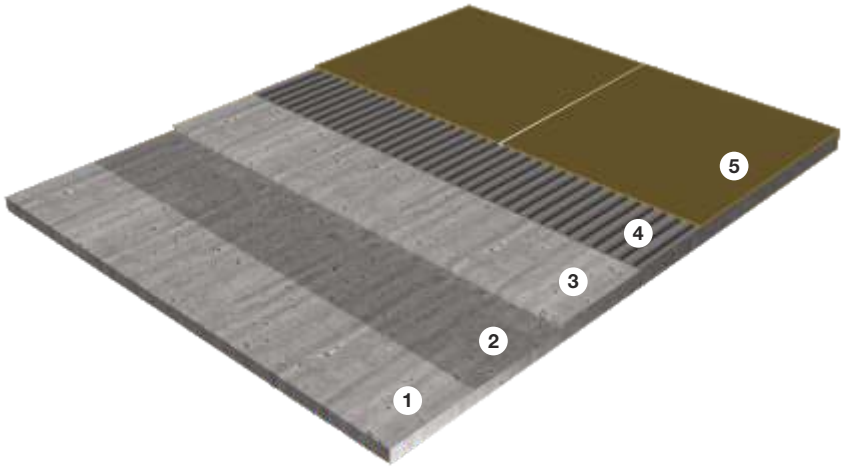
WALL SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC. Depending on the case, the appropriate sealing components must be considered.
- Fix with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK-RAPID FLEX or ISOMAT AK 25, depending on the requirements.
- Grout with MULTIFILL-EPOXY THIXO, MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant for areas under permanent water pressure.

Fixing of large-format tiles

For tile formats larger than 40x40 cm, the back-buttering method is used. The proper tile adhesive should be of class C2, according to EN 12004 and the grouts of class CG2 WA, in accordance with EN 13888, with a minimum joint width of 3 mm. Large-format, fully vitrified tiles lock the moisture for a long time, and this can damage moisture-sensitive substrates. Therefore, the surfaces must be primed and sealed accordingly and sealants should always be used in damp rooms.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
	Adhesion primer for roughening smooth surfaces	**ISOMAT SUPERGRUND**
	Two-component, water-based epoxy primer	**EPOXYPRIMER-W**
LEVELING	Fast-setting, self-leveling, polymer-modified cementitious screed	**FLOWCRET 1-10 EXPRESS**
	Fast-setting, self-leveling, polymer-modified compound	**FLOWCRET 3-30 EXPRESS**
	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
	Polymer-modified, fiber-reinforced repairing cement mortar	**DUROCRET-PLUS**
UNCOUPLING	Uncoupling membrane	**ISOMAT UNCOUPLING MEMBRANE**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC**
FIXING	High quality, polymer-modified, full-bed leveling tile adhesive C2E	**ISOMAT AK-FLUX**
	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. FIXING
5. GROUTING

Fixing of large-format tiles

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption. Calcium sulfate screeds must be primed with ISOMAT SUPERGRUND or EPOXYPRIMER-W.
- Level the substrate with FLOWCRET 1-10 EXPRESS, FLOWCRET 3-30 EXPRESS, DUROCRET-FAST or DUROCRET-PLUS, depending on the requirements.
- Uncouple with ISOMAT UNCOUPLING MEMBRANE, if necessary.
- Seal with AQUAMAT-MONOELASTIC or AQUAMAT-ELASTIC, if necessary.
- Fix with ISOMAT AK-FLUX, ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK-MARBLE, ISOMAT AK-RAPID FLEX, ISOMAT AK 25 or ISOMAT AK-MEGARAPID, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

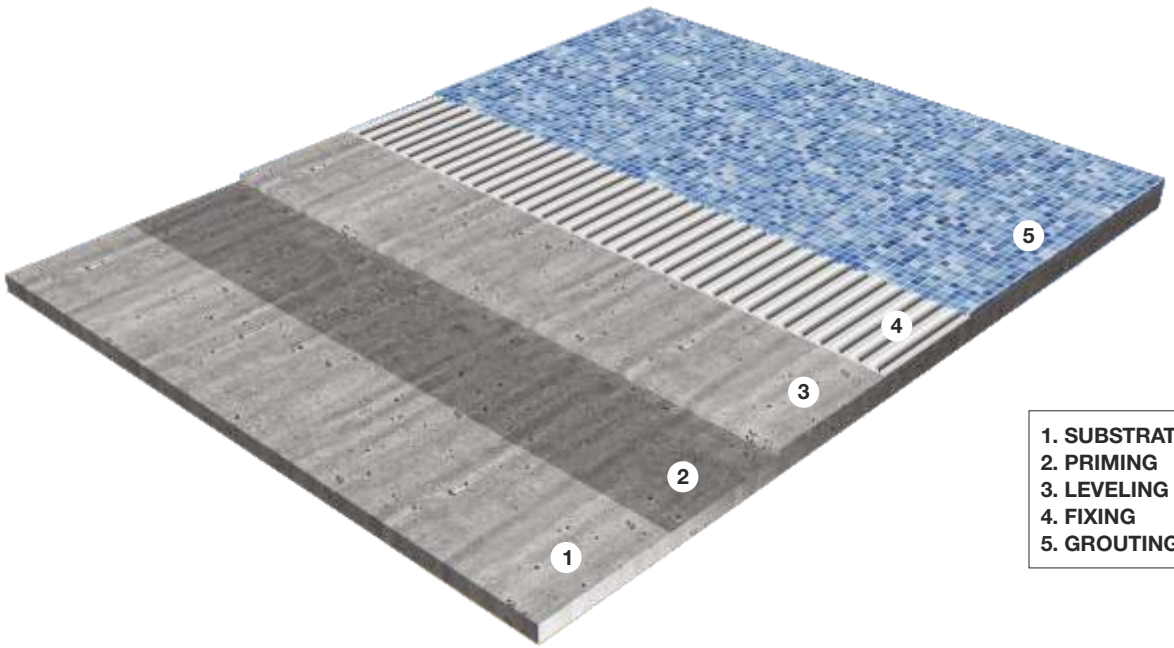
WALL SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK-RAPID FLEX or ISOMAT AK 25, depending on the requirements.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

Fixing of glass tiles and glass mosaics

Glass tile and mosaics are transparent, translucent covering materials that are back coated and are therefore laid with white, polymer-modified tile adhesives. As a rule, glass tiles are used with reactive resin mortars (epoxy) for laying and subsequent grouting.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
	Adhesion primer for roughening smooth surfaces	**ISOMAT SUPERGRUND**
LEVELING	Fast-setting, self-leveling, polymer-modified cementitious screed	**FLOWCRET 1-10 EXPRESS**
	Fast-setting, self-leveling, polymer-modified compound	**FLOWCRET 3-30 EXPRESS**
	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
	Polymer-modified, fiber-reinforced repairing cement mortar	**DUROCRET-PLUS**
UNCOUPLING	Uncoupling membrane	**ISOMAT UNCOUPLING MEMBRANE**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC**
FIXING	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
	Two-component epoxy tile adhesive	**ISOMAT AK 50**
	Two-component, fast-setting, elastic tile adhesive C2FE S2	**ISOMAT AK-MEGARAPID**
GROUTING	Two-component epoxy grout & tile adhesive for floors	**MULTIFILL-EPOXY FLOW**
	Two-component, colored epoxy grout & tile adhesive for walls	**MULTIFILL-EPOXY THIXO**
	Two-component, decorative epoxy grout	**MULTIFILL-EPOXY GLITTER**



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. FIXING
5. GROUTING

Fixing of glass tiles and glass mosaics

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption. In case of non-absorbent substrates, ISOMAT SUPERGRUND primer should be used.
- Level the substrate with FLOWCRET 1-10 EXPRESS, FLOWCRET 3-30 EXPRESS, DUROCRET-FAST or DUROCRET-PLUS, depending on the requirements.
- Uncouple with ISOMAT UNCOUPLING MEMBRANE, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix with ISOMAT AK 25, ISOMAT AK 50 or ISOMAT AK-MEGARAPID.
- Grout with MULTIFILL-EPOXY FLOW or MULTIFILL-EPOXY GLITTER.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

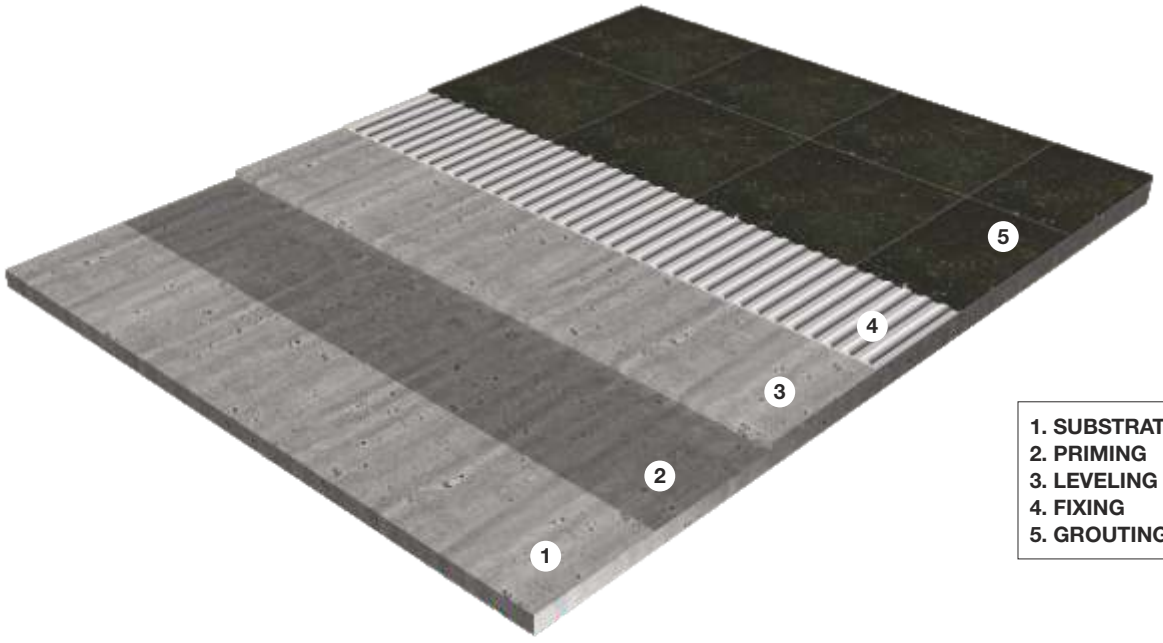
WALL SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption. In case of non-absorbent substrates, ISOMAT SUPERGRUND primer should be used.
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix with ISOMAT AK 25, ISOMAT AK 50 or ISOMAT AK-MEGARAPID.
- Grout with MULTIFILL-EPOXY THIXO or MULTIFILL-EPOXY GLITTER.
- Corner, perimeter and movement joints should be sealed with an elastic sealant.

Fixing of natural stones

When laying natural stones, the following parameters are essentially taken into account: a) The use of rapid-hardening grey and/or white adhesive mortars in translucent types of stone. b) The full-surface wetting of the back of the panel with adhesive mortar when using translucent and capillary natural stones, such as granite, gneiss, marble, etc. c) The choice of adhesive and grout, tailored to the properties of the coating and the intended use of the area.

PRIMING	Water-based, acrylic primer	**UNI-PRIMER**
	Adhesion primer for roughening smooth surfaces	**ISOMAT SUPERGRUND**
LEVELING	Fast-setting, self-leveling, polymer-modified cementitious screed	**FLOWCRET 1-10 EXPRESS**
	Fast-setting, self-leveling, polymer-modified compound	**FLOWCRET 3-30 EXPRESS**
	Fast-setting, fiber-reinforced, repairing cement mortar	**DUROCRET-FAST**
UNCOUPLING	Uncoupling membrane	**ISOMAT UNCOUPLING MEMBRANE**
WATERPROOFING	Two-component, elastic, cement-based, brushable sealing slurry	**AQUAMAT-ELASTIC**
	One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry	**AQUAMAT-MONOELASTIC**
FIXING	Polymer-modified marble and granite adhesive C2E S1	**ISOMAT AK-MARBLE**
	Fast-setting, polymer-modified, cement-based tile adhesive C2FT S1	**ISOMAT AK-RAPID FLEX**
	Polymer-modified tile adhesive for difficult substrates C2TE S1	**ISOMAT AK 20, ISOMAT AK 22**
	One-component, elastic, polymer-modified tile adhesive for demanding applications C2TE S2	**ISOMAT AK 25**
GROUTING	Fine-grained grout for marbles, with porcelain effect, water-repellent	**MULTIFILL MARBLE 0-3**
	Colored, fast-setting, polymer-modified tile grout	**MULTIFILL 2-20**
	Rapid-setting tile grout of porcelain texture	**MULTIFILL RAPID 1-8**
	Water-repellent tile grout of porcelain texture	**MULTIFILL SMALTO 1-8**



1. SUBSTRATE
2. PRIMING
3. LEVELING
4. FIXING
5. GROUTING

Fixing of natural stones

FLOOR SURFACES

- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption. In case of non-absorbent substrates, ISOMAT SUPERGRUND primer should be used.
- Level the substrate with FLOWCRET 1-10 EXPRESS, FLOWCRET 3-30 EXPRESS or DUROCRET-FAST, depending on the requirements.
- Uncouple with ISOMAT UNCOUPLING MEMBRANE, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary. Depending on the case, the appropriate sealing components must be considered.
- Fix with ISOMAT AK-MARBLE, ISOMAT AK-RAPID FLEX, ISOMAT AK 20, ISOMAT AK 22 or ISOMAT AK 25, depending on the requirements.
- Grout with MULTIFILL MARBLE 0-3, MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner, perimeter and movement joints must be sealed with an elastic sealant.

Product Overview

Priming

UNI-PRIMER
Ready-to-use primer

DESCRIPTION - FIELDS OF APPLICATION
Ready-to-use, water-based, acrylic primer for all common building substrates, such as cement and calcium sulphate screeds, cement and gypsum plasters, etc. It is used to control the dust, as well as strengthen the substrate (concrete, masonry, plaster, screed and plasterboard) and reduce its absorbency. It can also be used before tiling, waterproofing or leveling of floors.
Color: Blue.
Consumption: 100-200 g/m^2.
Packaging: 20 kg, 5 kg, 1 kg.

ISOMAT SUPERGRUND
Adhesion primer for roughening smooth or non-absorbent surfaces

DESCRIPTION - FIELDS OF APPLICATION
Adhesion primer made of synthetic resins and quartz sand. It shows high adhesion on smooth and non-absorbent substrates and serves as a bonding agent and primer on non-absorbent and absorbent substrates, both indoors and outdoors, before tiling and applying leveling compounds. It can be applied on plenty of smooth and non-absorbent substrates, such as old tiles, marble, natural stone, cement-based industrial floorings, wooden, metal or PVC floorings, tarpaulin (linoleum), as well as anhydride and magnesium screeds.
Color: Light purple.
Consumption: about 50-200 g/m^2, depending on the absorbency of the substrate.
Packaging: 20 kg, 15 kg, 5 kg, 1 kg.

EPOXYPRIMER-W
Two-component, water-based epoxy primer

DESCRIPTION - FIELDS OF APPLICATION
Two-component, water-based epoxy system with high adhesion to various substrates and good resistance to diluted acids and alkalis as well as petroleum products.
Color: Yellowish-transparent.
Consumption: 200-300 g/m^2.
Packaging: 10 kg (A+B).

DUROFLOOR-PSF
Two-component, solvent-free epoxy primer

DESCRIPTION - FIELDS OF APPLICATION
Two-component, solvent-free, colorless epoxy system, based on epoxy resins. It is used for priming, leveling and reprofiling under all DUROFLOOR epoxy coatings, as well as for the preparation of reaction resin mortars with the addition of quartz sand. Classified as SR-B2,0-IR4-AR0,5 in accordance with EN 13813.
Color: Transparent.
Consumption: 200-300 g/m^2.
Packaging: 10 kg (A+B), 5 kg (A+B).

Leveling

DUROCRET-FAST
Fast-setting, fiber-reinforced repairing cement mortar

DESCRIPTION - FIELDS OF APPLICATION
Fast-setting, fiber-reinforced, repairing cement mortar, enriched with polymers. It provides very good adhesion to the substrate, excellent workability and high, early strength. Ideal for repairing and patching imperfections in concrete surfaces, cement screeds, brickwork, as well as for forming fillets (wall/floor junctions).
Classified as PCC R2, according to EN 1504-3.
Pot life: approximately 45 minutes.
Color: Grey.
Consumption: approx. 17.0 kg/m^2/cm of layer thickness. For forming fillets: 1.9-2.7 kg/m.
Packaging: 25 kg.

DUROCRET-PLUS
Polymer-modified, fiber-reinforced repairing mortar

DESCRIPTION - FIELDS OF APPLICATION
Polymer-modified, fiber-reinforced repairing mortar. It provides very good adhesion to the substrate, excellent workability and high abrasion resistance. Used for repairing and patching imperfections in concrete surfaces, cement screeds, brickwork, as well as for forming fillets (wall/floor junctions).
Classified as a PCC R3 mortar, in accordance with EN 1504-3.
Color: Grey.
Consumption: approx. 16.0 kg/m^2/cm of layer thickness. For forming fillets: 1.9-2.7 kg/m.
Packaging: 25 kg, 5 kg.

SCREED-SX

Fast-setting cement mortar – binder for floor screeds

DESCRIPTION - FIELDS OF APPLICATION

Fiber-reinforced, fast-setting special cement mortar that replaces cement (the binding material) in floor screeds. When mixed with sand in a ratio of 1:4 to 1:5 by weight and 8-12 liters of water (depending on moisture of the aggregate), the cement screed produced offers high early strength and fast hardening. Used as the top layer or substrate for tiles, slabs, textile coverings, parquet or PVC floorings. It can also be used as a binder for the production of floating screeds on insulation or separating layers and heated screeds.
Color: Grey.
Consumption: 2.0-3.5 kg/m^2/cm of layer thickness.
Packaging: 20 kg.

FLOWCRET 3-30 EXPRESS

Fast-setting, self-leveling, polymer-modified compound

DESCRIPTION - FIELDS OF APPLICATION

Fast-setting, polymer-modified, self-leveling, cement-based compound. Suitable for smoothing and leveling of surfaces from concrete, screed, mosaic, ceramic tiles before laying finishing materials like ceramic tiles, carpets, parquet, vinyl tiles, marbles, natural stones, etc. Also suitable for floors with in-floor heating. It can be applied in one layer in a thickness of 3-30 mm. Ideal where a quick repair is needed because it can be walked on after about 4 hours. Classified as CT-C40-F10-AR2 according EN 13813.
Color: Grey.
Consumption: 1.65 kg/m^2/mm of layer thickness.
Packaging: 25 kg.

FLOWCRET 1-10 EXPRESS

Fast-setting, self-leveling, polymer-modified cementitious screed

DESCRIPTION - FIELDS OF APPLICATION

Fast-setting, self-leveling cement-based mortar for leveling floor substrates, enriched with polymer components (resins). Ideal for fast smoothing and leveling of concrete floors, cement screeds, mosaic floors, etc. that are going to be covered with all kinds of tiles, carpet, parquet, vinyl tiles, etc. It can be applied in one layer in a thickness of 1-10 mm. Ideal where rapid repair is needed because it can be walked on after about 4 hours and can be covered with tiles after 24 hours. Classified as a screed material CT-C40-F10-AR4, according to EN 13813.
Color: Grey.
Consumption: 1.65 kg/m^2/mm of layer thickness.
Packaging: 25 kg.

Waterproofing

AQUAMAT-ELASTIC

Two-component, elastic, cement-based, brushable sealing slurry

DESCRIPTION - FIELDS OF APPLICATION

Two-component, elastic, brushable sealing slurry. It is used for waterproofing surfaces made of concrete, plaster, bricks, cement-blocks, mosaic, gypsum boards, wood, metal, etc. Ideal in cases where high elasticity and good adhesion of the waterproofing layer are required. Suitable for waterproofing substrates that are subject to contraction-expansion or vibration and show or are expected to show hair cracks, such as flat roofs, balconies, above ground water tanks, swimming pools, inverted roofs, etc. Classified as a coating for surface protection of concrete, according to EN 1504-2.
Color: White, grey.
Consumption: 2.0-4.0 kg/m^2.
Packaging: 35 kg (25 kg + 10 kg B) in grey and white, 7 kg (5 kg + 2 kg B) in grey.

AQUAMAT-MONOELASTIC

One-component, elastic, fiber-reinforced, cement-based, brushable sealing slurry

DESCRIPTION - FIELDS OF APPLICATION

One-component, elastic, brushable sealing slurry. It is suitable for waterproofing under tiles in bathrooms and kitchens in residential areas, in private bathrooms, on balconies and flat roofs, as well as swimming pools. Classified as a coating for surface protection of concrete, according to EN 1504-2.
Color: Grey.
Consumption: 1.25-2.5 kg/m^2.
Packaging: 18 kg.

ISOMAT SL 17

Elastomeric liquid membrane for waterproofing under tiles

DESCRIPTION - FIELDS OF APPLICATION
Ready-to-use, brushable, solvent-free, elastomeric sealing membrane. It is applied by roller, brush or trowel. Suitable for jointing and seamless sealing of surfaces that are to be covered with tiles, etc. in damp and wet spaces, such as bathrooms, showers. It can be applied on surfaces made of concrete, plaster, gypsum board, chipboard, etc.
Color: Grey.
Consumption: 1.0-1.5 kg/m^2, depending on the substrate.
Packaging: 25 kg, 15 kg, 5 kg.

Uncoupling

ISOMAT UNCOUPLING MEMBRANE

Fiber-reinforced, uncoupling membrane for floors and walls

DESCRIPTION - FIELDS OF APPLICATION
Suitable for uncoupling of sound and problematic substrates. Allows subsequent coverings to function as independent layers in relation with the substrate. Suitable for indoor walls or floors in a variety of substrates such as concrete, cement mortars, old layers of tiles, mosaics, masonry, etc.
Packaging: Rolls of 1 m x 30 m.

ISOMAT WATERPROOFING & UNCOUPLING MEMBRANE

DESCRIPTION - FIELDS OF APPLICATION
Suitable for waterproofing and uncoupling of sound and problematic substrates. Especially used in damp areas and on flat roofs, balconies etc.
It can be placed on walls or floors and on a variety of substrates, such as concrete, cement mortars, old tile layers, mosaics, masonry, etc.
Packaging: Rolls of 1 m x 15 m, special joint tape: 12 cm x 25 m.

Tile adhesives

ISOMAT AK 12

High quality, polymer-modified, flexible tile adhesive C2TE

DESCRIPTION - FIELDS OF APPLICATION
Polymer-modified, cement-based tile adhesive. Slip-resistant, with a long open time. Suitable for fixing granite tiles and generally absorbent and non-absorbent ceramic tiles on various wall and floor substrates demanding high adhesion and moisture resistance. For interior and exterior use. Classified as a C2TE tile adhesive, according to EN 12004.
Color: White, grey.
Consumption: 1.5-4.0 kg/m^2.*
Packaging: 25 kg.

ISOMAT AK 20

Flexible tile adhesive for difficult substrates C2TE S1

DESCRIPTION - FIELDS OF APPLICATION
Polymer-modified, cement-based, flexible tile adhesive for difficult substrates. Slip-resistant, with a long open time. Suitable for fixing absorbent and non-absorbent ceramic tiles (e.g. earthenware, stoneware, clinker, fine stoneware) and large-format tiles on wall and floor surfaces, demanding high adhesion, flexibility and moisture resistance (e.g. old ceramic floors, underfloor heating, etc.). For interior and exterior use. Classified as a C2TE S1 tile adhesive, according to EN 12004 and EN 12002.
Color: White, grey.
Consumption: 1.5-4.0 kg/m^2.*
Packaging: 25 kg, 15 kg, 5 kg.

ISOMAT AK 21

Polymer-modified, flexible tile adhesive for demanding substrates with low dust technology C2TE S1

DESCRIPTION - FIELDS OF APPLICATION

Polymer-modified, cement-based, flexible tile adhesive for difficult substrates, based on low-dust technology. Slip-resistant, with extended open time. Suitable for fixing absorbent and non-absorbent ceramic tiles (e.g. earthenware, stoneware, clinker, fine stoneware) and large-format tiles on wall and floor surfaces demanding high adhesion, flexibility and moisture resistance (e.g. old ceramic floors, underfloor heating systems, etc.). For interior and exterior use. Classified as a C2TE S1 tile adhesive, according to EN 12004 and EN 12002.

Color: White, grey.

Consumption: 2.0-4.0 kg/m^2.*

Packaging: 25 kg.

ISOMAT AK-MARBLE

Polymer-modified marble and granite adhesive C2E S1

DESCRIPTION - FIELDS OF APPLICATION

Fast-setting, polymer-modified, cement-based marble and granite adhesive. Suitable for fixing marble or granite on all floor surfaces using either the thin- or the medium-bed method. Particularly suitable on substrates where high adhesion and moisture resistance are required (old ceramic floors, underfloor heating systems, etc.). It can be used both indoors and outdoors in a thickness of up to 15 mm. Classified as a C2E S1 tile adhesive, according to EN 12004 and EN 12002.

Color: White, grey.

Consumption: 1.5-6.0 kg/m^2.*

Packaging: 25 kg.

ISOMAT AK 25

High performance, elastic, polymer-modified tile adhesive C2TE S2

DESCRIPTION - FIELDS OF APPLICATION

One-component, cement-based, flexible mortar with extended open time. Suitable for fixing all ceramic tiles on wall and floor surface, especially where high elasticity, adhesion and moisture resistance are required, such as old ceramic floors, underfloor heating systems, metal surfaces, swimming pools, etc. For interior and exterior use. Classified as a C2TE S2 tile adhesive, according to EN 12004 and EN 12002.

Color: White, grey.

Consumption: 1.5-4.0 kg/m^2.*

Packaging: 25 kg, 5 kg.

ISOMAT AK 22

Flexible tile adhesive for particularly difficult substrates C2TE S1

DESCRIPTION - FIELDS OF APPLICATION

Polymer-modified, cement-based, flexible tile adhesive for difficult substrates. Slip-resistant, with extended open time. Suitable for fixing absorbent and non-absorbent ceramic tiles (e.g. earthenware, stoneware, clinker, fine stoneware) and large-format tiles, mosaics, etc. on wall and floor surfaces demanding high adhesion, flexibility and moisture resistance (e.g. old ceramic floors, underfloor heating systems, metal surfaces, gypsum board, swimming pools, etc.). For interior and exterior use. Classified as a C2TE S1 tile adhesive, according to EN 12004 and EN 12002.

Color: White, grey.

Consumption: 1.5-4.0 kg/m^2.*

Packaging: 25 kg, 15 kg, 5 kg.

ISOMAT AK-LIGHT

Light-weight, flexible tile adhesive C2TE S1

DESCRIPTION - FIELDS OF APPLICATION

Light-weight, polymer-modified, cement-based tile adhesive. Slip-resistant, with extended open time. Suitable for fixing absorbent and non-absorbent tiles on walls and floors and various substrates, especially where particularly high adhesion, elasticity and moisture resistance are required (e.g. underfloor heating systems, metal surfaces, swimming pools, etc.). For interior and exterior use. Classified as a C2TE S1 tile adhesive, according to EN 12004 and EN 12002.

Color: White.

Consumption: 1.0-3.0 kg/m^2.*

Packaging: 18 kg.

ISOMAT AK-RAPID FLEX

Fast-setting, flexible, polymer-modified tile adhesive C2FT S1

DESCRIPTION - FIELDS OF APPLICATION

Fast-setting, polymer-modified, cement-based tile adhesive. Suitable for fixing absorbent and non-absorbent ceramic tiles, such as large format tiles on wall and floor substrates, such as concrete, masonry, plaster. Ideal in cases where the surfaces have to be delivered fast for use, e.g. work areas. For interior and exterior applications. Classified as a C2FT S1 tile adhesive, according to EN 12004 and EN 12002.

Color: White, grey.

Consumption: 1.5-4.0 kg/m^2.*

Packaging: 25 kg.

*Depending on the size of the teeth, the tile dimensions and installation method (buttering-floating method), consumption can be up to 8.0 kg/m^2.

ISOMAT AK-MEGARAPID

Two-component, fast-setting, elastic tile adhesive C2FE S2

DESCRIPTION - FIELDS OF APPLICATION

Two-component, fast-setting, elastic tile adhesive, based on cement with an extended open time. Suitable for fixing all absorbent and non-absorbent tiles on various wall and floor surfaces, such as gypsum board, chipboard, underfloor heating systems, flat roofs, balconies, swimming pools, etc. Ideal for floors, subject to heavy pedestrian traffic and for areas that must be ready for use within short time. For interior and exterior use. Classified as a C2FE S2 tile adhesive, according to EN 12004 and EN 12002.
Color: White.
Consumption: 1.5-4.0 kg/m^2.*
Packaging: 33 kg (A+B).

ISOMAT AK-FLUX

High quality, polymer-modified, full-bed leveling tile adhesive C2E

DESCRIPTION - FIELDS OF APPLICATION

Polymer-modified, cement- based tile adhesive with increased open time. After mixing with water, it obtains fluid consistency. Suitable for thick layers (up to 20 mm). Also suitable for fixing absorptive and non-absorptive floor tiles on various surfaces. Ideal for fixing large tiles by the full-bed laying method and wherever the leveling and fixing of tiles on irregular substrate is required. For indoor and outdoor applications. It is classified as C2E according to EN 12004.
Color: Grey.
Consumption: 2.0-8.0 kg/m^2, depending on the trowel's notch size and the nature of the substrate.
Packaging: 25 kg, 15 kg, 5 kg.

Grouting

MULTIFILL 2-20

Colored, fast-setting, polymer-modified tile grout

DESCRIPTION - FIELDS OF APPLICATION

Colored, cement-based, polymer-modified tile grout. Suitable for pointing tile joints on walls and floors. It offers high mechanical strength, excellent color stability and is highly water-repellent. Suitable for joint width 2-20 mm. Classified as a CG2 WA tile grout, in accordance with EN 13888. For interior and exterior use.
Color: 18 colors.
Consumption: 0.2-2.0 kg/m^2, depending on the tile dimensions and joint width.
Packaging: 4 kg.

MULTIFILL RAPID 1-8

Porcelain textured, rapid-setting, water-repellent tile grout

DESCRIPTION - FIELDS OF APPLICATION

Colored, rapid-setting, cement-based tile grout enriched with resins. Suitable for grouting of tiles and natural stones. It offers high mechanical strength, excellent color stability and is highly water-repellent. It provides a smooth, glossy surface. Suitable for joint widths up to 8 mm. Classified as a CG2 WA grout, in accordance with EN 13888. For interior and exterior use.
Color: 8 colors.
Consumption: 0.2-2.0 kg/m^2, depending on the tile dimensions and joint width.
Packaging: 4 kg.

MULTIFILL SMALTO 1-8

Tile grout with porcelain effect, water-repellent

DESCRIPTION - FIELDS OF APPLICATION

It is a colored, cement based tile grout enriched with resins. It offers high mechanical strength, superb color stability and great water-repellence. Contains special bacteriostatic agents, which block the formation of bacteria on the grout. It gives a smooth and glossy final surface. Suitable for joint width 1-8 mm. It is classified as type CG2 WA tile grout according to EN 13888.
Color: 34 colors.
Consumption: 0.2-2.0 kg/m^2, depending on the tile dimensions and joint width.
Packaging: 20 kg, 4 kg, 2 kg.

MULTIFILL MARBLE 0-3

Fine-grained grout for marbles, with porcelain effect, water-repellent

DESCRIPTION - FIELDS OF APPLICATION

Colored, fine-grained, polymer-modified, cement-based grout. It offers high mechanical strength, superb color stability and great water repellency. Suitable for joint widths up to 3 mm. It is used for grouting marbles, granites, tiles, glass and marble mosaic, on walls or floors, indoors and outdoors. It is classified as a CG2 WA grout, according to EN 13888.
Color: 5 colors.
Consumption: 0.2-1.3 kg/m^2, depending on the size of marbles and the joint width.
Packaging: 4 kg.

*Depending on the size of the teeth, the tile dimensions and installation method (buttering-floating method), consumption can be up to 8.0 kg/m^2.

MULTIFILL-EPOXY FLOW
Two-component epoxy grout – tile adhesive for floorings

DESCRIPTION - FIELDS OF APPLICATION
Two-component, solvent-free epoxy grout for floor surfaces. It is highly resistant to chemicals and mechanical loads. It is ideally combined with special tiles for industrial use. Suitable for fixing floor tiles and for pointing floor tile joints in industrial environments, swimming pools, etc. It can be easily processed and cleaned, before it hardens. Classified as RG tile grout, according to EN 13888 and as R2 epoxy adhesive, according to EN 12004.
Color: Light grey, white. Other colors available from RAL color chart, upon request.
Consumption: 0.2-5.0 kg/m^2.
Packaging: 10 kg (A+B), 5 kg (A+B).

MULTIFILL-EPOXY THIXO
Two-component, colored epoxy gout and tile adhesive

DESCRIPTION - FIELDS OF APPLICATION
Two-component, solvent-free epoxy grout, highly resistant to chemicals and mechanical loads. Ideally combined with special tiles for industrial use. Suitable for fixing wall and floor tiles and for pointing wall tile joints in industrial areas, swimming pools, etc. It can be easily processed and cleaned, before it hardens. Classified as RG grout, according to EN 13888 and as R2T epoxy adhesive, according to EN 12004.
Colors: White, grey, light grey, black, bahama beige. Other colors available upon request.
Consumption: 0.2-5.0 kg/m^2.
Packaging: 10 kg (A+B), 5 kg (A+B), 2 kg (A+B).

MULTIFILL-EPOXY GLITTER
Two-component, decorative epoxy grout

DESCRIPTION - FIELDS OF APPLICATION
With the addition of ISOMAT-GLITTER, a colored decorative grout with a particular aesthetic effect is created. It is applied where high mechanical and chemical resistance is required. Ideally combined with glass mosaic tiles and tiles of high chemical resistance. Suitable for pointing wall or floor tile joints in residences, clubs, shops, industrial sites, etc. It is classified as an RG grout according to EN 13888.
Color: 10 colors.
Consumption: 0.2-5.0 kg/m^2.
Packaging: 2 kg (A+B).

ISOMAT-GLITTER
Colored metallic aggregates

DESCRIPTION - FIELDS OF APPLICATION
Colored metallic aggregates, which, when added to the epoxy grout MULTIFILL-EPOXY GLITTER, form a colored, decorative grout with particular aesthetic effect. ISOMAT-GLITTER is added in a proportion of up to 10% by weight.
Color: 10 colors.
Packaging: 200 g.

Sealing components

JOINT SEALING TAPE
For humid spaces

DESCRIPTION - FIELDS OF APPLICATION
Special components made of elastomeric, thermoplastic material for sealing damp and wet spaces.
Consumption: Depending on the application.
Packaging: Rolls of 12 cm x 50 m and 12 cm x 10 m.

INSIDE CORNER
For damp and wet spaces

DESCRIPTION - FIELDS OF APPLICATION
Special components of elastomeric, thermoplastic material for sealing damp and wet spaces.
Consumption: Depending on the application.
Packaging: 14 cm x 14 cm.

COLLARS FOR SEALING PIPE PENETRATIONS AND FLOOR DRAINS
For damp and wet rooms

DESCRIPTION - FIELDS OF APPLICATION
Special components of elastomeric, thermoplastic material for sealing damp and wet spaces.
Consumption: Depending on the application.
Packaging: 12 cm x 12 cm.

ISOMAT BUTYL TAPE
Self-adhesive butyl tape

DESCRIPTION - FIELDS OF APPLICATION
Self-adhesive butyl tape coated with non-woven polypropylene fleece. It is used for sealing and waterproofing joints, cracks, etc. It can be covered with tile adhesives or brushable, waterproofing materials.
Thickness: 0.9 mm.
Packaging: Rolls of 10 cm x 10 m.

CERTIFICATE

TÜV AUSTRIA

Management system as per
EN ISO 9001 : 2008

isomat
building quality

ISOMAT S.A.
17th km Thessaloniki - Agios Athanasios
GR-570 03 AG. ATHANASIOS – THESSALONIKI, GREECE

DESIGN, DEVELOPMENT, PRODUCTION & DISTRIBUTION OF CHEMICAL BUILDING MATERIALS & PREMIXED DRY MORTARS (CEMENTITIOUS, SYNTHETIC AND ASPHALTIC WATERPROOFING PRODUCTS, PREMIXED PLASTERS & SPECIAL MORTARS, EPOXY RESINS, FLOORINGS, INSTALLATION SYSTEMS, PAINTS).

CERTIFICATE

TÜV AUSTRIA

Management System as per
EN ISO 14001 : 2004

In accordance with TÜV AUSTRIA HELLAS procedures, it is hereby certified that

isomat
building quality

ISOMAT S.A.
17th km Thessaloniki - Agios Athanasios
GR-570 03 AG. ATHANASIOS – THESSALONIKI, GREECE

Applies on Environmental Management System in line with the above Standard for the following Scope

DESIGN, DEVELOPMENT & PRODUCTION OF CHEMICAL BUILDING MATERIALS & PREMIXED DRY MORTARS.

Certificate Registration No.: 04014846 — Valid until: 2017-03-17

Certification Body
at TÜV AUSTRIA HELLAS

Athens, 2014-03-18

This certification was conducted in accordance with TÜV AUSTRIA HELLAS auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS
423, Mesogeion Ave.
GR-153 43 Athens, Greece
www.tuvaustriahellas.gr

TÜV AUSTRIA GROUP

CERTIFICATE

TÜV AUSTRIA

Management System as per
OHSAS 18001 : 2007 / ELOT 1801 : 2008

In accordance with TÜV AUSTRIA HELLAS procedures, it is hereby certified that

isomat
building quality

ISOMAT S.A.
17th km Thessaloniki - Agios Athanasios
GR-570 03 AG. ATHANASIOS – THESSALONIKI, GREECE

Applies on Occupational Health & Safety Management System in line with the above Standards for the following Scope

DESIGN, DEVELOPMENT & PRODUCTION OF CHEMICAL BUILDING MATERIALS & PREMIXED DRY MORTARS.

Certificate Registration No.: 03014822 — Valid until: 2017-03-17

Certification Body
at TÜV AUSTRIA HELLAS

Athens, 2014-03-18

This certification was conducted in accordance with TÜV AUSTRIA HELLAS auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS
423, Mesogeion Ave.
GR-153 43 Athens, Greece
www.tuvaustriahellas.gr

TÜV AUSTRIA GROUP

ISOMAT. Quality in construction.

ISOMAT is a modern, reliable company that sets new standards in the construction field. ISOMAT's products are innovative and offer intelligent solutions for new buildings, renovation and repair works.

They are developed in the company's own R&D Department with a focus on quality and attention to detail. All products must meet the highest demands from the very first time they are launched, offering a definitive solution, while being user- and environmentally-friendly, inexpensive and resistant to aging. Our satisfied customers in the fields of technology, industry and trade are the best proof for this.

However, ISOMAT goes one step further. A team of highly trained engineers offer comprehensive technical support to any interested party. ISOMAT's technical consultants are always by your side, in order to advise you competently on any problem in construction. For ISOMAT, it is greatly important to ensure that you always obtain successful and high quality results.

Visit our website.

ISO 9001 ISO 14001 OHSAS 18001
CERTIFIED COMPANY

isomat
building quality

1015

HEADQUARTERS, THESSALONIKI, GREECE
17th km Thessaloniki - Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios
T +30 2310 576 000, F +30 2310 722 475

ISOMAT S.A.
BUILDING CHEMICALS & MORTARS
www.isomat.eu
export@isomat.eu