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& highly  
aesthetic  
result**



# **TILE FIXING SYSTEMS**

**isomat**

building quality



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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	$\geq 0.5 \text{ N/mm}^2$
		Tensile adhesion strength after heat aging for 14 days at +70°C	EN 1348, 8.4	$\geq 0.5 \text{ N/mm}^2$
		Tensile adhesion strength after water immersion for 21 days at normal temperature	EN 1348, 8.3	$\geq 0.5 \text{ N/mm}^2$
		Tensile adhesion strength after 25 freeze - thaw cycles	EN 1348, 8.5	$\geq 0.5 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

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

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

## CEMENTITIOUS GROUTS ACCORDING TO EN 13888

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

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

## 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	$\geq 1.0 \text{ N/mm}^2$
		Shear adhesion strength after heat aging	EN 1324, 7.4	$\geq 1.0 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

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

## 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	$\geq 2.0 \text{ N/mm}^2$
		Shear adhesion strength after water immersion	EN 12003, 7.4	$\geq 2.0 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
R2	Improved reaction resin adhesive	Initial shear adhesion strength in standard conditions	EN 12003, 7.3	$\geq 2.0 \text{ N/mm}^2$
		Shear adhesion strength after water immersion	EN 12003, 7.4	$\geq 2.0 \text{ N/mm}^2$
		Shear adhesion strength after thermal shock (at +23°C and +100°C)	EN 12003, 7.5	$\geq 2.0 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
RG	Reaction resin grout	Abrasion resistance	EN12808-2	$\leq 250 \text{ mm}^3$
		Flexural strength after dry storage	EN 12808-3	$\geq 30.0 \text{ N/mm}^2$
		Compressive strength after dry storage	EN 12808-3	$\geq 45.0 \text{ N/mm}^2$
		Shrinkage	EN 12808-4	$\leq 1.5 \text{ N/mm}^2$
		Water absorption after 240 min	EN 12808-5	$\leq 0.1 \text{ g}$

## 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)	<ul style="list-style-type: none"> <li>■ Polymer dispersions (wall)</li> <li>■ Polymer-modified cement mortar combinations</li> <li>■ Reaction resins</li> </ul>
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	<ul style="list-style-type: none"> <li>■ Polymer-modified cement mortar combinations</li> <li>■ Reaction resins</li> </ul>
C	Wall and floor surfaces at high water stress along with chemical 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	<ul style="list-style-type: none"> <li>■ Reaction resins</li> </ul>

### 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	<ul style="list-style-type: none"> <li>■ Polymer dispersions (wall)</li> <li>■ Polymer-modified cement mortar combinations</li> <li>■ Reaction resins</li> </ul>
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)	<ul style="list-style-type: none"> <li>■ Polymer-modified cement mortar combinations</li> <li>■ Reaction resins</li> </ul>



## 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

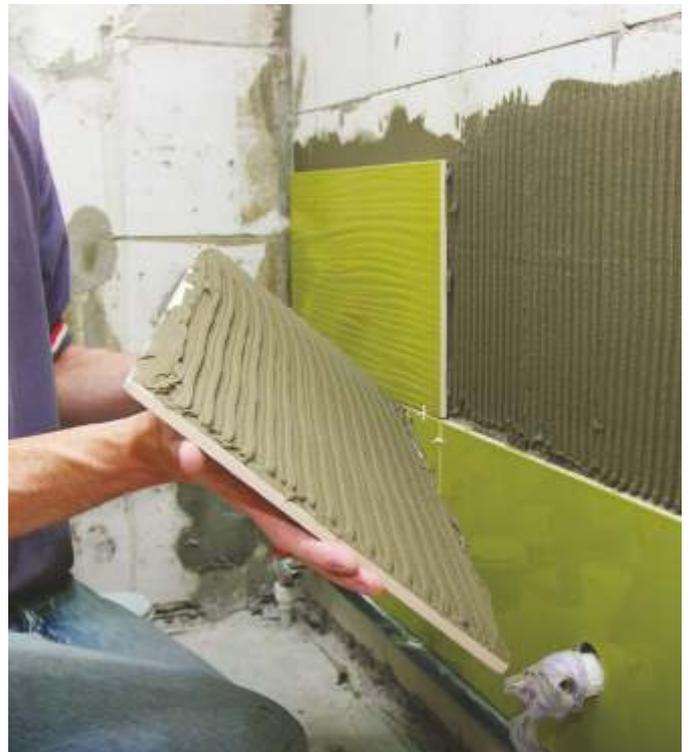
Wooden surfaces must be clean, stable and sound. Loose and damaged wooden boards must be properly attached or replaced accordingly. Old wooden floors very often show bulges along the boards that need to be leveled before laying any floor coverings. The maximum tile size should not be larger than 30 x 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  $1.0 \text{ N/mm}^2$  and in case of cement screeds at least  $0.7 \text{ N/mm}^2$ . 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.

### 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.

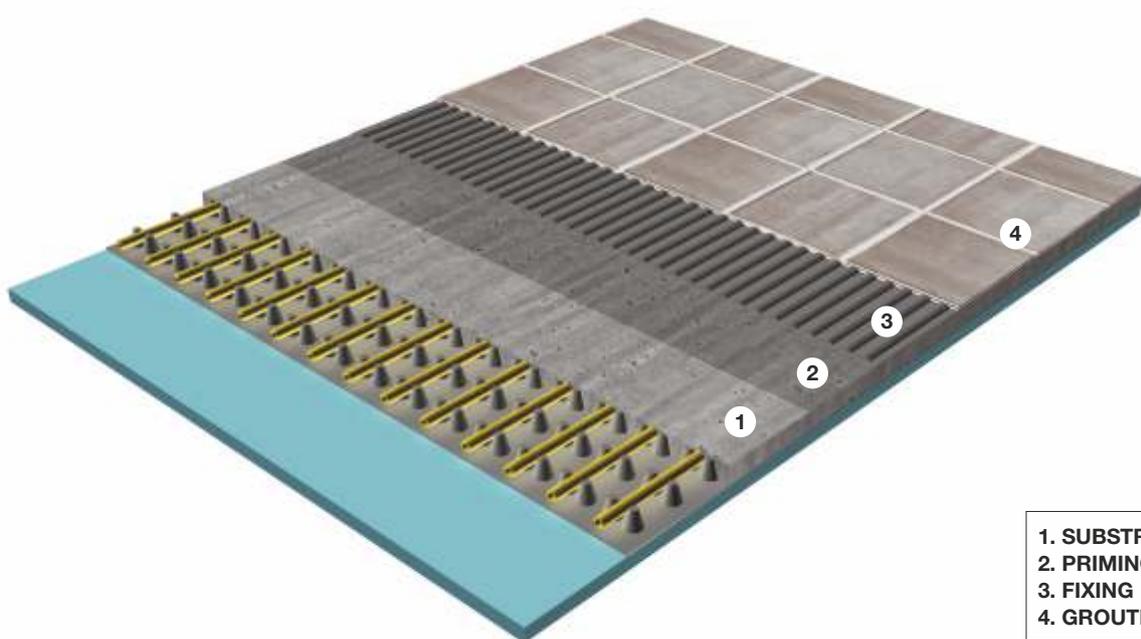
## Substrate preparation

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.

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



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



## Tile fixing on heated screeds

### FLOOR SURFACES

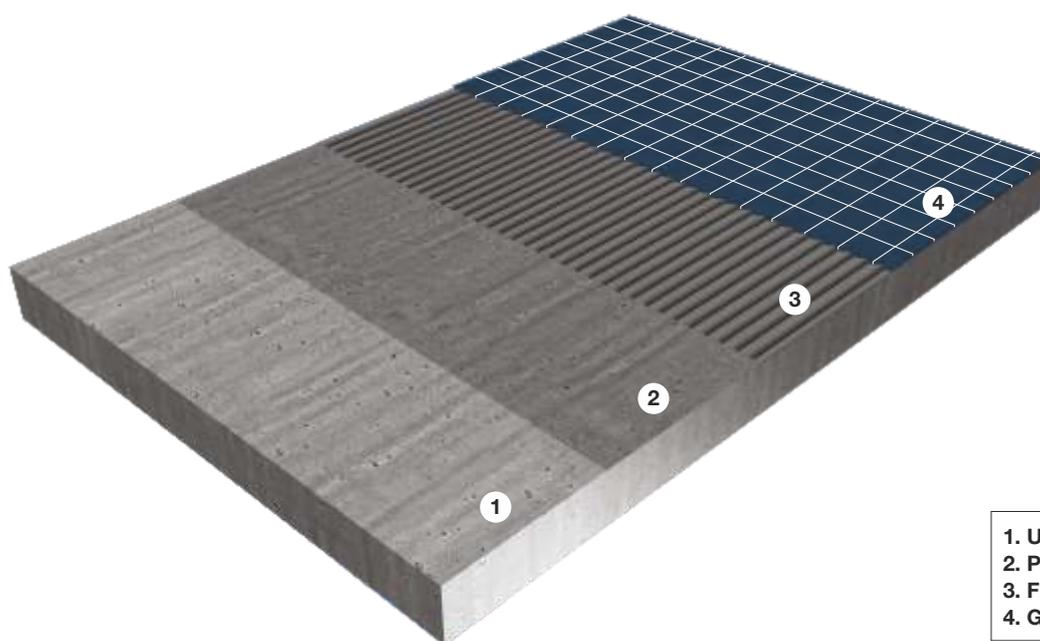
- Prime with UNI-PRIMER, in case of cement screeds, and with ISOMAT SUPERGRUND or EPOXYPRIMER-W along with quartz sand, in case of calcium sulphate screeds.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix the tiles with ISOMAT AK 20, ISOMAT AK 22, ISOMAT AK 25, ISOMAT AK-RAPID 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.

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



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

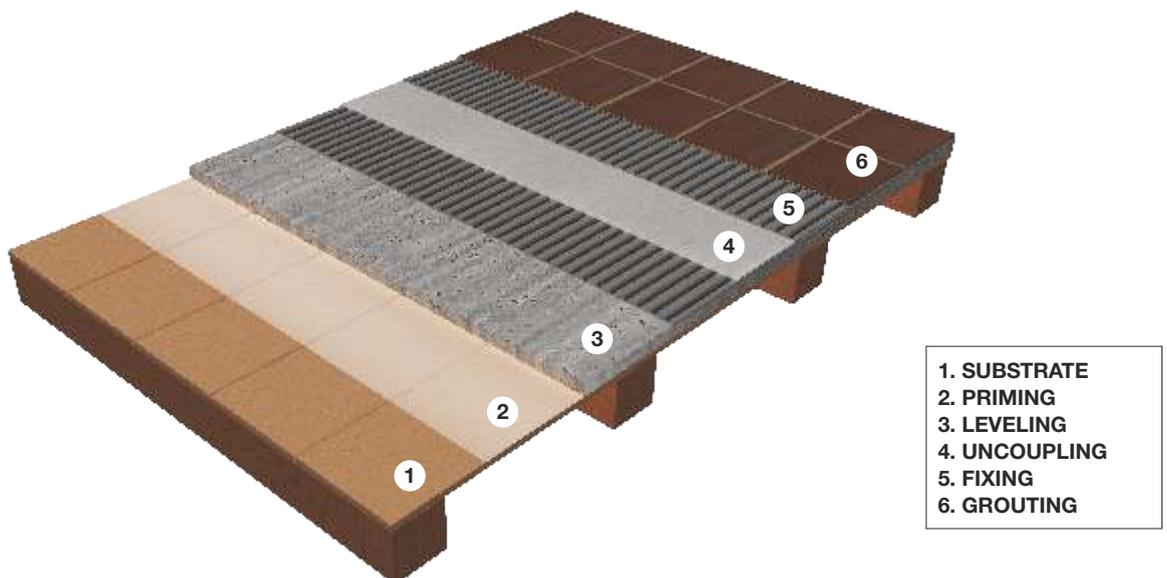
- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- Fix the tiles with ISOMAT AK 25.
- Grout with MULTIFILL 2-20, MULTIFILL RAPID 1-8 or MULTIFILL SMALTO 1-8, depending on the requirements.
- Corner,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

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





## 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.



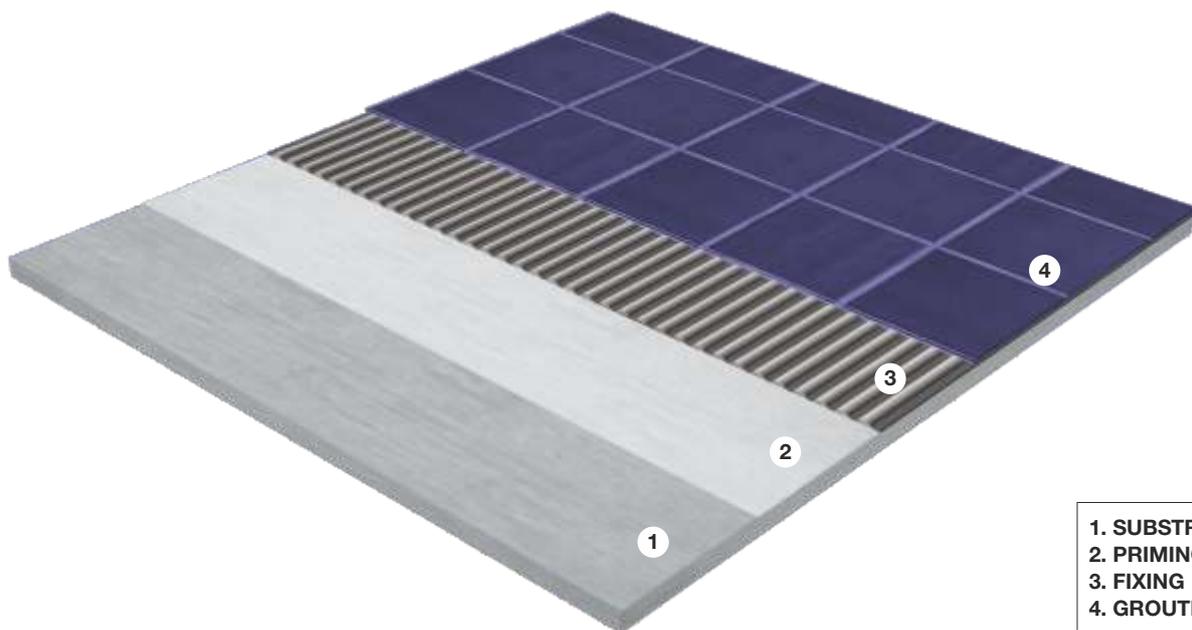
## Tile fixing on calcium sulfate and calcium sulfate flow screeds

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

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

### 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  |

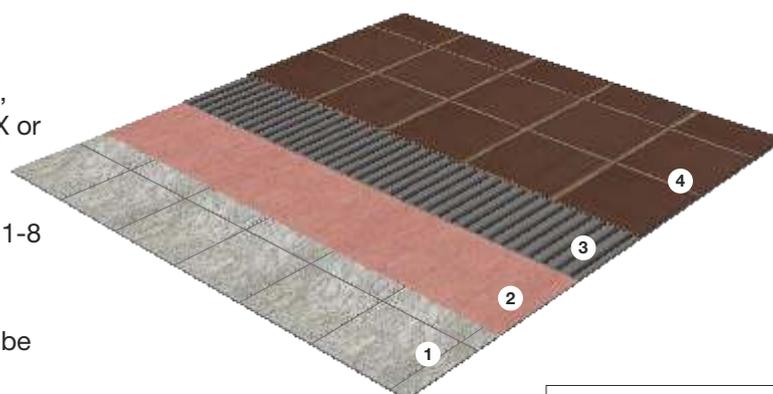
## Tile fixing on old ceramic tiles

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.

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

### 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.

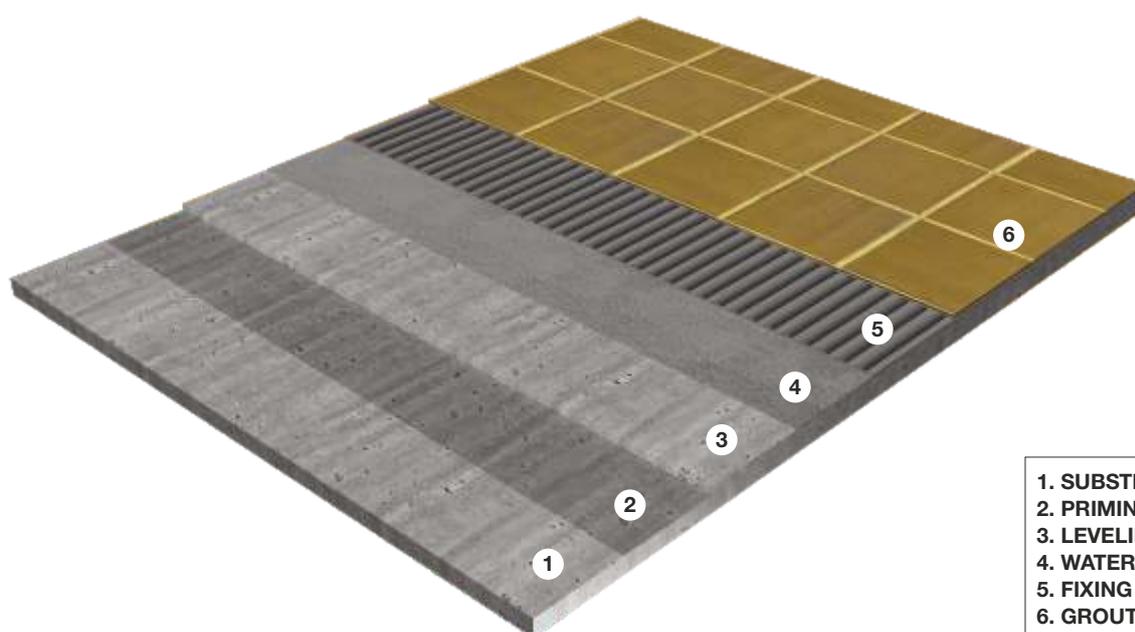


- |              |
|--------------|
| 1. SUBSTRATE |
| 2. PRIMING   |
| 3. FIXING    |
| 4. GROUTING  |

## Waterproofing and tiling on balconies and terraces

### Wet areas by non-pressing water, Exposure class B0.

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



1. SUBSTRATE
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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.

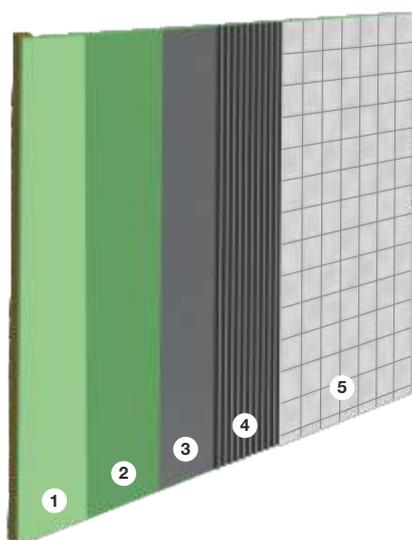
### TERRACES

- 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.

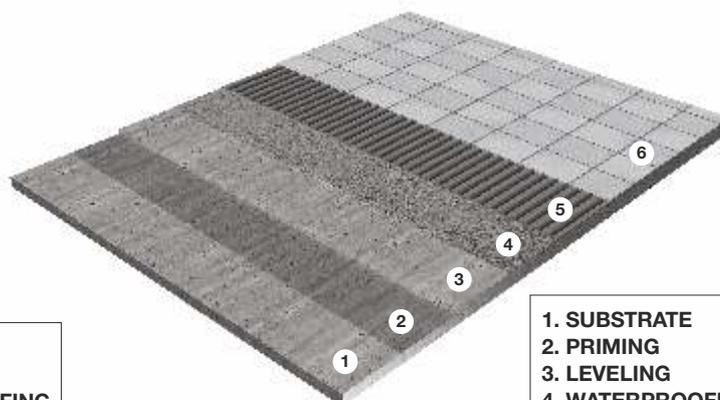
## Waterproofing and tiling in private bathrooms

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

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



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.

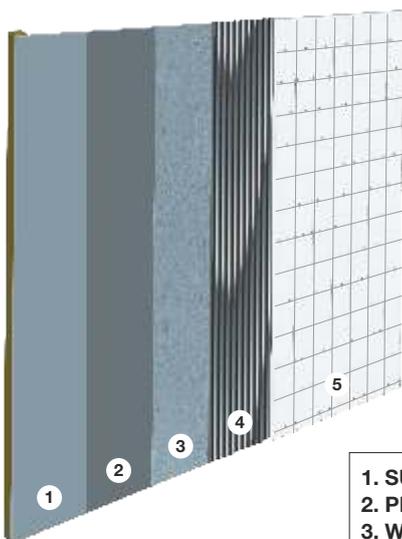
### WALL SURFACES

- 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.

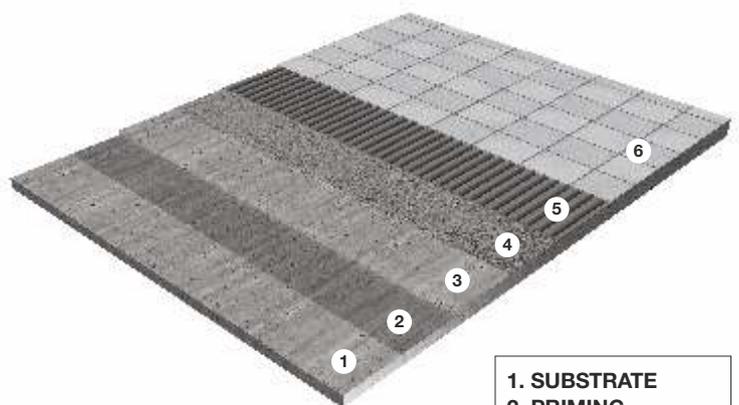
## Waterproofing and tiling in public showers

**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.**

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



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



1. SUBSTRATE
2. PRIMING
3. LEVELING
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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.

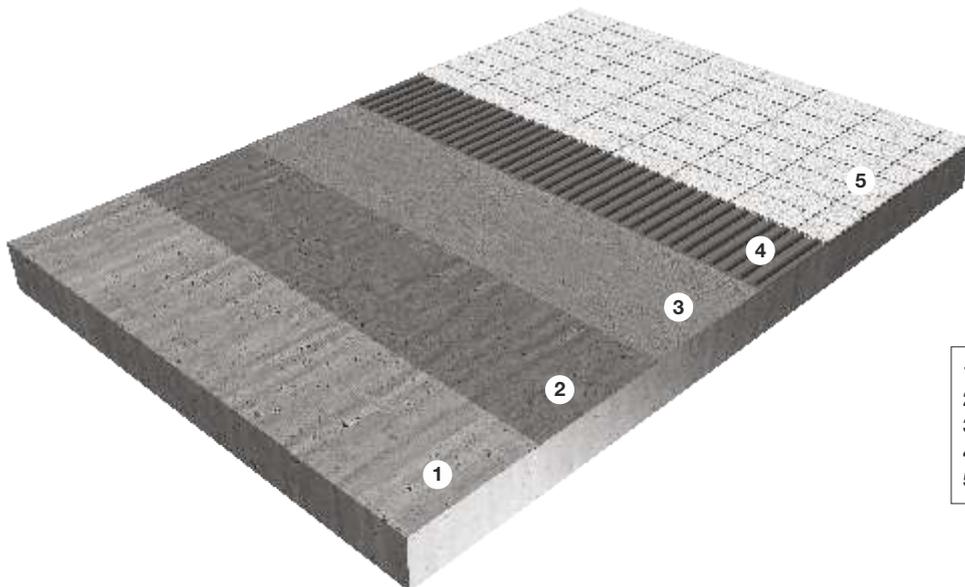
### WALL SURFACES

- 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.

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



1. SUBSTRATE
2. PRIMING
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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.

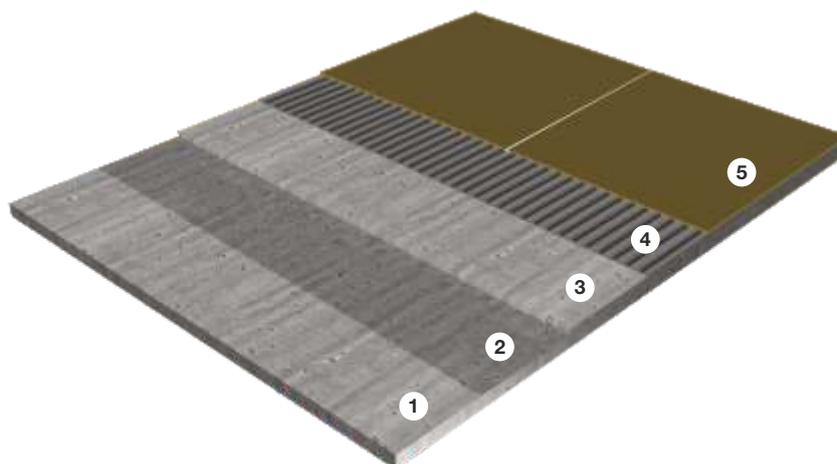
### WALL SURFACES

- 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.

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



1. SUBSTRATE
2. PRIMING
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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.

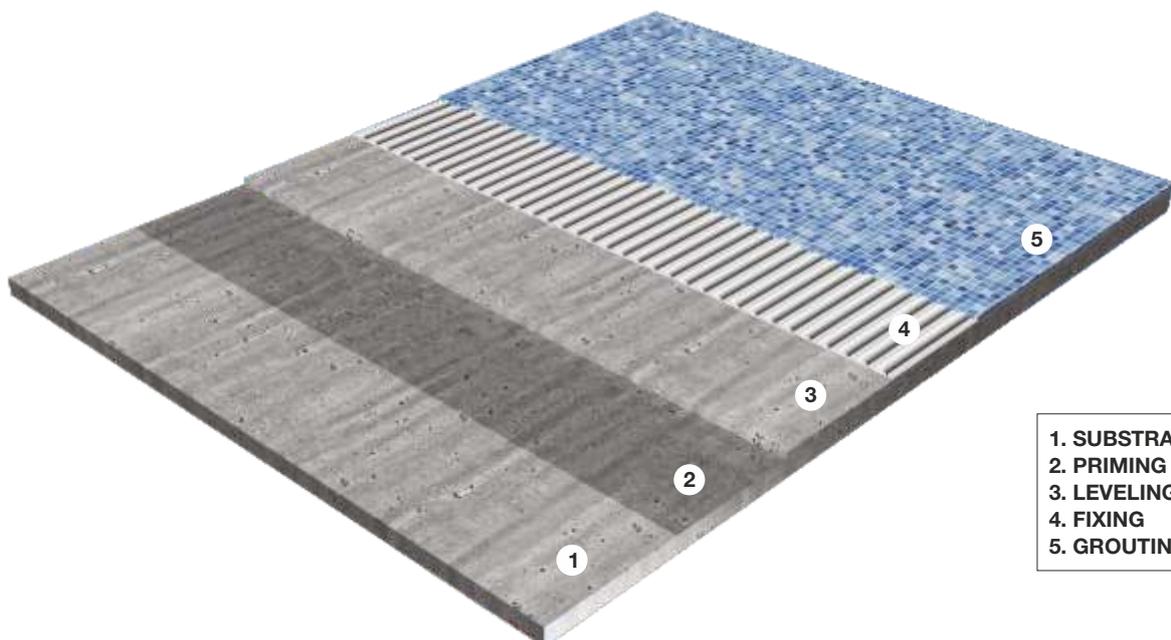
### WALL SURFACES

- 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.

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



1. SUBSTRATE
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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

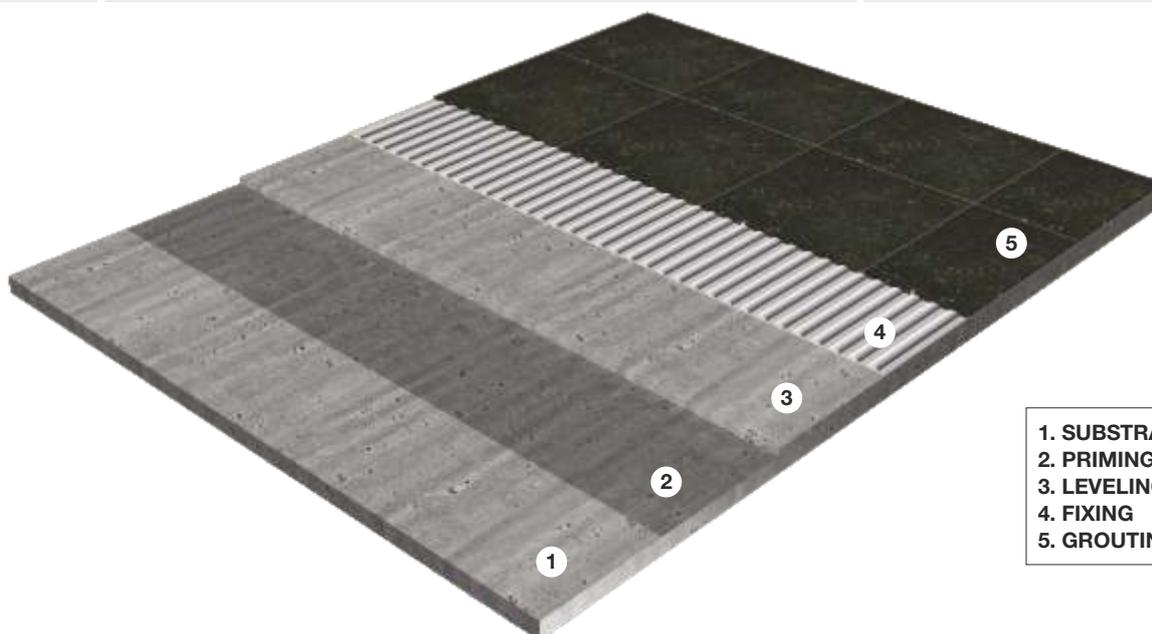
- Prime with UNI-PRIMER for strengthening the substrate and regulating its absorption. In case of non-absorbent substrates, ISOMAT SUPERGRUND primer should be used.
- Level the substrate with DUROCRET-FAST or DUROCRET-PLUS, if necessary.
- Seal with AQUAMAT-ELASTIC or AQUAMAT-MONOELASTIC, if necessary.
- 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.

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



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<sup>2</sup>.

**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<sup>2</sup>, 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<sup>2</sup>.

**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<sup>2</sup>.

**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<sup>2</sup>/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<sup>2</sup>/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<sup>2</sup>/cm of layer thickness.

**Packaging:** 20 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<sup>2</sup>/mm of layer thickness.

**Packaging:** 25 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 to EN 13813.

**Color:** Grey.

**Consumption:** 1.65 kg/m<sup>2</sup>/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<sup>2</sup>.

**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<sup>2</sup>.

**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<sup>2</sup>, 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<sup>2</sup>.\*

**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<sup>2</sup>.\*

**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<sup>2</sup>.\*

**Packaging:** 25 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<sup>2</sup>.\*

**Packaging:** 25 kg, 15 kg, 5 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<sup>2</sup>.\*

**Packaging:** 25 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<sup>2</sup>.\*

**Packaging:** 18 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<sup>2</sup>.\*

**Packaging:** 25 kg, 5 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<sup>2</sup>.\*

**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<sup>2</sup>.



### 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<sup>2</sup>.\*

**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<sup>2</sup>, 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<sup>2</sup>, 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<sup>2</sup>, 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<sup>2</sup>, 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<sup>2</sup>, 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<sup>2</sup>.



### 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<sup>2</sup>.

**Packaging:** 10 kg (A+B), 5 kg (A+B).



### MULTIFILL-EPOXY THIXO

**Two-component, colored epoxy grout 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<sup>2</sup>.

**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<sup>2</sup>.

**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

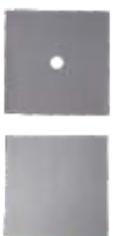
**For damp and wet spaces**

#### 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



Management system as per  
EN ISO 9001 : 2008

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



**ISOMAT S.A.**  
17<sup>th</sup> km Thessaloniki - Agios Athanasios  
GR-570 03 AG. ATHANASIOS - THESSALONIKI, GREECE

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

DESIGN, DEVELOPMENT, PRODUCTION & PARTS SUPPLY OF CHEMICAL BUILDING MATERIALS & PREMIXED DRY MORTARS (STRENGTH - SURFACE FINISHES) AND POLYMER-BASED PRODUCTS - PREPARED PLASTER & SPECIAL MORTARS, GROUTS AND EPOXY INSTALLATION SYSTEMS, PARTS.

Certificate Registration No. 84914845

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.



# CERTIFICATE



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

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



**ISOMAT S.A.**  
17<sup>th</sup> km Thessaloniki - Agios Athanasios  
GR-570 03 AG. ATHANASIOS - THESSALONIKI, GREECE

Applies an 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. 89014822

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  
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## **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.



CERTIFIED COMPANY

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