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# TILE FIXING SYSTEMS



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building quality

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Over the past years ceramic tiles are replacing increasingly other floor and wall coatings. One of the main reasons that made ceramic tiles one of the consumers' top choices, is their improved aesthetics and quality combined with their easy application and maintenance.

At the same time the demands for tiles' fitting materials, such as tile adhesives and grouts, have increased.

Furthermore, new applications with specific requirements, such as tile installation on heated floors, plasterboards etc., have been added.

It is worth noting, that joints between tiles have evolved into a decorative element which frames and highlights the tile, something necessary for the flawless perfection of the surface finishing.

**ISOMATs' tile fixing systems** provide the best technical solution in every installation difficulty in combination with a visually flawless result, by including a wide range of tile, marble, granite, natural stone etc. adhesives, cement based grouts in 34 colors, epoxy grouts, cleaning and sealing materials.

## GENERAL INFORMATION ON TILE FIXING SYSTEMS

Keeping up with the latest developments in the tile fixing sector, **ISOMAT** has certified its products, according to the specifications of the relevant European Standards.

Having always as a priority to keep our customers well informed, we considered necessary to explain the symbols which are used by the European Standards. The following tables display the requirements that should be satisfied in order for:

- a cementitious adhesive to be classified as C1 or C2
- a cementitious grout to be classified as CG1 or CG2
- a dispersion adhesive to be classified as D1 or D2
- a reaction resin adhesive to be classified as R1 or R2
- a reaction resin grout to be classified as RG

according to the corresponding for each product category European Standards.

### SPECIFICATION FOR CLASSIFICATION OF A CEMENTITIOUS ADHESIVE AS C1

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 ageing for 14 days at $+70^\circ\text{C}$	EN 1348, 8.4	$\geq 0,5 \text{ N/mm}^2$
		Tensile adhesion strength after water immersion for 21 days	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	$\geq 20 \text{ min}$

### SPECIFICATION FOR CLASSIFICATION OF A CEMENTITIOUS ADHESIVE AS C2

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 ageing for 14 days at $+70^\circ\text{C}$	EN 1348, 8.4	$\geq 1,0 \text{ N/mm}^2$
		Tensile adhesion strength after water immersion for 21 days	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	$\geq 20 \text{ min}$

**SPECIFICATION FOR CLASSIFICATION OF A CEMENTITIOUS GROUT AS CG1**

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
<b>CG1</b>	<b>Normal cementitious grout</b>	Abrasion resistance	EN 12808-2	$\leq 2000 \text{ mm}^3$
		Flexural strength after dry storage	EN 12808-3	$\geq 2,5 \text{ N/mm}^2$
		Flexural strength after freeze-thaw cycles	EN 12808-3	$\geq 2,5 \text{ N/mm}^2$
		Compressive strength after dry storage	EN 12808-3	$\geq 15,0 \text{ N/mm}^2$
		Compressive strength after freeze-thaw cycles	EN 12808-3	$\geq 15,0 \text{ N/mm}^2$
		Shrinkage	EN 12808-4	$\leq 3,0 \text{ mm/m}$
		Water absorption after 30 min	EN 12808-5	$\leq 5,0 \text{ g}$
		Water absorption after 240 min	EN 12808-5	$\leq 10 \text{ g}$

**SPECIFICATION FOR CLASSIFICATION OF A CEMENTITIOUS GROUT AS CG2**

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
<b>CG2</b>	<b>Improved cementitious grout</b>	High abrasion resistance (A)	EN 12808-2	$\leq 1000 \text{ mm}^3$
		Flexural strength after dry storage	EN 12808-3	$\geq 2,5 \text{ N/mm}^2$
		Flexural strength after freeze-thaw cycles	EN 12808-3	$\geq 2,5 \text{ N/mm}^2$
		Compressive strength after dry storage	EN 12808-3	$\geq 15,0 \text{ N/mm}^2$
		Compressive strength after freeze-thaw cycles	EN 12808-3	$\geq 15,0 \text{ N/mm}^2$
		Shrinkage	EN 12808-4	$\leq 3 \text{ mm/m}$
		Reduced water absorption after 30 min (W)	EN 12808-5	$\leq 2 \text{ g}$
		Reduced water absorption after 240 min (W)	EN 12808-5	$\leq 5 \text{ g}$

**SPECIFICATION FOR CLASSIFICATION OF A DISPERSION ADHESIVE AS D1**

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
<b>D1</b>	<b>Normal dispersion adhesive</b>	Initial shear adhesion strength after 14 days conditioning in standard test conditions for 14 days	EN 1324, 7.2	$\geq 1,0 \text{ N/mm}^2$
		Shear adhesion strength after heat ageing for 14 days at 70°C	EN 1324, 7.4	$\geq 1,0 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

## GENERAL INFORMATION ON TILE FIXING SYSTEMS

### SPECIFICATION FOR CLASSIFICATION OF A DISPERSION ADHESIVE AS D2

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
D2	Improved dispersion adhesive	Initial shear adhesion strength after 14 days conditioning in standard test conditions	EN 1324, 7.2	$\geq 1,0 \text{ N/mm}^2$
		Shear adhesion strength after heat ageing for 14 days at 70°C and 24 h conditioning in standard test conditions	EN 1324, 7.4	$\geq 1,0 \text{ N/mm}^2$
		Shear adhesion strength immediately after 14 days heat ageing at 70°C	EN 1324, 7.5	$\geq 1,0 \text{ N/mm}^2$
		Shear adhesion strength after water immersion for 7 days	EN 1324, 7.3	$\geq 0,5 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

### SPECIFICATION FOR CLASSIFICATION OF A REACTION RESIN ADHESIVE AS R1

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
R1	Normal reaction resin adhesive	Initial shear adhesion strength after 7 days conditioning in standard test conditions	EN 12003, 7.3	$\geq 2,0 \text{ N/mm}^2$
		Shear adhesion strength after water immersion for 21 days	EN 12003, 7.4	$\geq 2,0 \text{ N/mm}^2$
		Open time	EN 1346	$\geq 20 \text{ min}$

### SPECIFICATION FOR CLASSIFICATION OF A REACTION RESIN ADHESIVE AS R2

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
R2	Improved reaction resin adhesive	Initial shear adhesion strength after 7 days conditioning in standard test conditions	EN 12003, 7.3	$\geq 2,0 \text{ N/mm}^2$
		Shear adhesion strength after water immersion for 21 days	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	$\geq 20 \text{ min}$

### SPECIFICATION FOR CLASSIFICATION OF A REACTION RESIN GROUT AS RG

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
RG	Reaction resin grout	Abrasion resistance	EN 12808-2	$\leq 250 \text{ mm}^3$
		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	$\leq 1,5 \text{ mm/m}$
		Water absorption after 240 min	EN 12808-5	$\leq 0,1 \text{ g}$

### ADDITIONAL ABBREVIATIONS FOR SPECIAL TILE ADHESIVES

TYPE	DESCRIPTION	CHARACTERISTIC	EN	REQUIREMENT
<b>T</b>	<b>Adhesive with reduced slip</b>	Determination of slip	EN 1308	≤ 0,5 mm
<b>E</b>	<b>Adhesive with extended open time</b>	Determination of open time	EN 1346	≥ 30 min
<b>F</b>	<b>Fast setting adhesive</b>	Determination of tensile adhesion strength after 6 h	EN 1348	≥ 0,5 N/mm <sup>2</sup>
<b>S1</b>	<b>Deformable adhesive</b>	Determination of transverse deformation	EN 12002	≥ 2,5 and < 5 mm
<b>S2</b>	<b>Highly deformable adhesive</b>	Determination of transverse deformation	EN 12002	≥ 5 mm

The symbols listed above, which are used on the packaging, indicate the products' technical specifications. For further understanding of the symbols, some indicative combinations are listed below:

- .....
- C1** Normal setting cementitious adhesive
- .....
- C1T** Normal setting cementitious adhesive with reduced slip
- .....
- C1TE** Normal setting cementitious adhesive with reduced slip and extended open time
- .....
- C2** Improved cementitious adhesive
- .....
- C2E** Improved cementitious adhesive with extended open time
- .....
- C2FT** Improved Fast setting cementitious adhesive with reduced slip
- .....
- C2ES2** Improved, highly deformable cementitious adhesive with extended open time
- .....
- C2ES1** Improved, deformable cementitious adhesive with extended open time
- .....
- CG2  
WA** Improved cementitious grout with additional characteristics of reduced water absorption and high abrasion resistance
- .....
- D2T** Improved dispersion adhesive with reduced slip
- .....
- R2T** Improved reaction resin adhesive with reduced slip
- .....

## ISOMAT AK 9

Cement-based tile adhesive



### DESCRIPTION

**ISOMAT AK 9** is a cement-based tile adhesive. It provides high initial and final adhesive strength and moisture resistance.

It is classified as type **C1** adhesive according to **EN 12004**.

### FIELDS OF APPLICATION

**ISOMAT AK 9** is suitable for fixing ceramic tiles on walls or floors on surfaces made of concrete, brickwork, plaster etc., indoors or outdoors.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	6,00 kg/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 10 mm
Pot life:	at least 6 h
Open time:	at least 20 min
Minor adjustments open time:	at least 30 min
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,00 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 0,50 N/mm <sup>2</sup>
immersion in water:	≥ 0,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 0,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -15 <sup>0</sup> C to +60 <sup>0</sup> C

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey, White	25 kg	-	54



# ISOMAT AK 10

Cement-based tile adhesive, with no vertical slip



## DESCRIPTION

**ISOMAT AK 10** is a cement-based tile adhesive, with no vertical slip. It provides high initial and final adhesive strength and resistance to moisture.

It is classified as type **C1T** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**ISOMAT AK 10** is suitable for fixing ceramic tiles on walls or floors on surfaces made of concrete, brickwork, plaster etc., indoors or outdoors.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	6,75 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 10 mm
Pot life:	at least 6 h
Open time:	at least 20 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,10 N/mm <sup>2</sup>
heating in +70°C:	≥ 0,50 N/mm <sup>2</sup>
immersion in water:	≥ 0,65 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 0,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -15°C to +60°C

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETTE
Grey, White	25 kg	-	54
Grey, White	5 kg	4	160



# ISOMAT AK 11

High performance, polymer-modified adhesive with extended open time, for ceramic and porcelain tiles.



## DESCRIPTION

**ISOMAT AK 11** is a high performance, polymer-modified adhesive with extended open time, for ceramic and porcelain tiles. It offers high initial and final adhesive strength and resistance to moisture.

It is classified as type **C2 E** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**ISOMAT AK 11** is suitable for fixing ceramic and porcelain tiles on all common substrates, such as concrete, screeds, brickwork, plaster etc. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	6,75 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 10 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

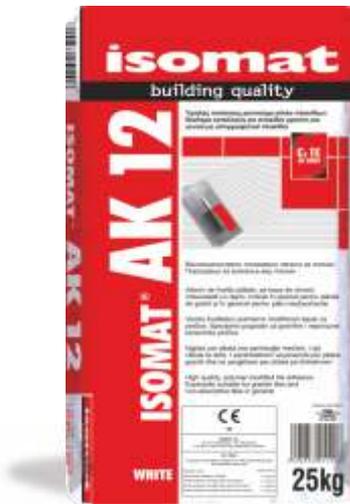
ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,20 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,00 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,00 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30°C to +90°C

COLOR	PACKAGE	PIECE/PALLETE
Grey, White	25 kg	54



# ISOMAT AK 12

High performance, polymer-modified tile adhesive for ceramic and porcelain tiles on critical substrates



## DESCRIPTION

**ISOMAT AK 12** is a high performance, polymer-modified tile adhesive for ceramic and porcelain tiles on critical substrates. It is characterized by extended open time and no vertical slip. It offers high initial and final adhesive strength and resistance to moisture.

It is classified as type **C2 TE** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**ISOMAT AK 12** is suitable for fixing ceramic and porcelain tiles on common substrates such as concrete, screeds, brickwork, plaster on critical substrates like mosaic, gypsum board, aerated concrete blocks etc. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	7,50 kg/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 10 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,40 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 1,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,00 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,00 N/mm <sup>2</sup>
Temperature resistance:	from -30 <sup>0</sup> C to +90 <sup>0</sup> C

COLOR	PACKAGE	PIECE/PALLETTE
Grey, White	25 kg	54



## ISOMAT AK20

High performance, flexible, polymer-modified tile adhesive for ceramic and porcelain tiles on critical substrates



### DESCRIPTION

**ISOMAT AK 20** is a high performance, flexible, polymer-modified tile adhesive for ceramic and porcelain tiles on critical substrates. It is characterized by extended open time, no vertical slip and flexibility. It offers high initial and final strength and resistance to moisture.

It is classified as type **C2 TE S1** adhesive according to **EN 12004** and **EN 12002**.

### FIELDS OF APPLICATION

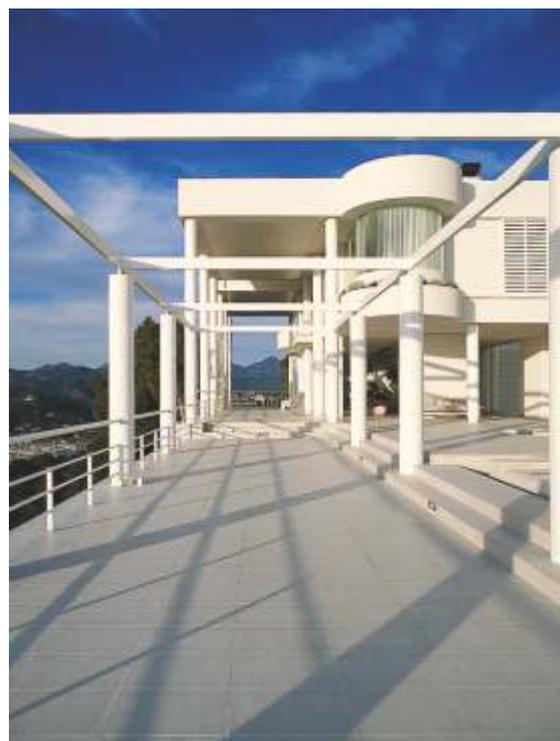
**ISOMAT AK 20** is suitable for fixing ceramic and porcelain tiles, natural stone, decorative bricks, large tiles, on concrete, screeds, brickwork, plaster, mosaic, gypsum board, aerated concrete blocks, etc. Because of its consistency, **ISOMAT AK 20** is also recommended for applications on critical substrates like old tile layers, floors with in-floor heating, swimming pools etc. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	7,75 kg/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Deformation ability according to EN 12002:	≥ 2,5 and < 5mm
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,75 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 1,50 N/mm <sup>2</sup>
immersion in water:	≥ 1,30 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30 <sup>0</sup> C to +90 <sup>0</sup> C

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey, White	25 kg	-	54
White	15 kg	-	90
Grey, White	5 kg	4	160



# ISOMAT AK22

High performance, flexible, polymer-modified adhesive for all type of tiles on deformable substrates



## DESCRIPTION

**ISOMAT AK 22** is a high performance, flexible, polymer-modified adhesive for all type of tiles on deformable substrates. It is characterized by extended open time, no vertical slip and high flexibility. It offers high initial and final strength and resistance to moisture.

It is classified as type **C2 TE S1** adhesive according to **EN 12004** and **EN 12002**.

## FIELDS OF APPLICATION

**ISOMAT AK 22** is suitable for fixing all type of tiles on concrete, screeds, brickwork, plaster, mosaic, gypsum board, aerated concrete blocks, old tile layers, floors with in-floor heating, swimming pools, metallic surfaces etc. It is ideal for applications on deformable and flexible substrates. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	7,75 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Deformation ability according to EN 12002:	≤ 2,5 and <5 mm
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey, White	25 kg	-	54
White	15 kg	-	90
White	5 kg	4	160



ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,90 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,90 N/mm <sup>2</sup>
immersion in water:	≥ 1,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30°C to +90°C

## ISOMAT AK 25

High performance, elastic, polymer-modified adhesive for all type of tiles on deformable and vibrative substrates



### DESCRIPTION

**ISOMAT AK 25** is a high performance, elastic, polymer-modified adhesive for all type of tiles on deformable and vibrative substrates. It is characterized by extended open time, no vertical slip and elasticity. It offers high initial and final strength and resistance to moisture.

It is classified as type **C2 TE S2** adhesive according to **EN 12004** and **EN 12002**.

### FIELDS OF APPLICATION

**ISOMAT AK 25** is suitable for all type of tiles on concrete, screeds, brickwork, plaster, mosaic, gypsum board, aerated concrete blocks, old tile layers, floors with in-floor heating, swimming pools, metallic surfaces, etc. It is ideal for applications on flexible, vibrative and dimensionally unstable substrates, where elasticity, adhesion strength and moisture resistance are required like balconies, terraces, wood flooring substrates, etc. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Color:	white
Water demand:	7,00 l/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 4-8 h
Pointing on floors:	after 24 h
Deformation ability according to EN 12002:	> 5,0 mm
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 2,00 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 2,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,20 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,20 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30 <sup>0</sup> C to +90 <sup>0</sup> C

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
White	25 kg	-	54
White	5 kg	4	160



# ISOMAT AK-LIGHT

Light-weight, flexible adhesive, for all type of tiles on deformable substrates



## DESCRIPTION

**ISOMAT AK-LIGHT** is a light-weight, flexible adhesive, for all type of tiles on deformable substrates. Due to its light weight, the tile fixing is much easier and the required quantity is reduced compared to an adhesive with regular aggregates. It is characterized by extended open time, no vertical slip and high flexibility. It offers high initial and final strength and resistance to moisture.

It is classified as type **C2 TE S1** adhesive according to **EN 12004** and **EN 12002**.

## FIELDS OF APPLICATION

**ISOMAT AK-LIGHT** is suitable for fixing all type of tiles on concrete, screeds, brickwork, plaster, mosaic, gypsum board, aerated concrete blocks, old tile layers, floors with in-floor heating, swimming pools, metallic surfaces etc. It is ideal for applications on deformable and flexible substrates. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Color:	white
Water demand:	8,10 kg/18 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 4-8 h
Pointing on floors:	after 24 h
Deformation ability according to EN 12002:	≥ 2,5 and < 5mm
Consumption:	1,0-3,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETTE
White	18 kg	54

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,90 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,90 N/mm <sup>2</sup>
immersion in water:	≥ 1,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
Temperature resistance:	from -30°C to +90°C



# ISOMAT AK-ECOLIGHT

Light-weight, elastic adhesive, for ceramic and porcelain tiles, on deformable substrates



## DESCRIPTION

**ISOMAT AK-ECOLIGHT** is a light-weight, elastic adhesive, for ceramic and porcelain tiles, on deformable substrates. Due to its light weight, the tile fixing is much easier and the required quantity of adhesive is reduced. Due to its special formula it offers sound absorption. It is characterized by extended open time, no vertical slip and high elasticity. It offers high initial and final strength and resistance to moisture.

It is classified as a **C2 TE S2** adhesive according to **EN 12004** and **EN 12002**.

## FIELDS OF APPLICATION

**ISOMAT AK-ECOLIGHT** is suitable for fixing ceramic and porcelain tiles, natural stone, decorative bricks, large tiles, on concrete, screeds, brickwork, plaster, mosaic etc. It is ideal for applications on flexible and vibrative substrates, where elasticity, adhesion strength and moisture resistance are required like old tile layers, gypsum boards etc. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Color:	dark
Water demand:	6,00 l/15 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 5-8 h
Pointing on floors:	after 24 h
Deformation ability according to EN 12002:	> 5,0 mm
Consumption:	1,0-3,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Dark Grey	15 kg	-	54

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,40 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 1,30 N/mm <sup>2</sup>
immersion in water:	≥ 1,10N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,20 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30 <sup>0</sup> C to +90 <sup>0</sup> C

# ISOMAT AK-MEGARAPID

High performance, two-component, fast-setting, elastic tile adhesive



## DESCRIPTION

**ISOMAT AK-MEGARAPID** is a high performance, two-component, fast-setting, flexible tile adhesive. It consists of a cement-based powder mortar (component A) and a resin emulsion (component B). It is characterized by extended open time and elasticity. It offers high initial and final strength and resistance to moisture.

It is classified as type **C2 FE S2** adhesive according to **EN 12004** and **EN 12002**.

## FIELDS OF APPLICATION

**ISOMAT AK-MEGARAPID** is suitable for fixing ceramic and porcelain tiles, natural stone, decorative bricks, large tiles, on concrete, screeds, brickwork, plaster, mosaic etc. Especially appropriate for applications on vibrative and dimensionally unstable substrates, where elasticity, adhesion strength and moisture resistance are required like balconies, terraces, gypsum board, floors with in-floor heating, swimming pools etc. It is ideal for floors with heavy traffic and for areas that must be ready for use within short time. For indoor or outdoor use, on walls and floors.



TECHNICAL DATA	
Color:	white
Application temperature:	from +5°C to +35°C
Application thickness:	up to 10 mm
Pot life:	at least 2,5 h
Open time:	at least 30 min
Minor adjustments open time:	at least 20 min
Pointing on walls:	after 2-3 h
Pointing on floors:	after 3-4 h
Deformation ability according to EN 12002:	> 2,5 mm
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETE
White	33 kg (A+B)	54(A) + 54(B)

ADHESIVE STRENGTH AFTER	
6 hours:	≥ 0,75 N/mm <sup>2</sup>
28 days:	≥ 2,00 N/mm <sup>2</sup>
heating in +70°C:	≥ 2,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
Temperature resistance:	from -30°C to +90°C



## ISOMAT AK-ELASTIC

High performance, two-component elastic adhesive, for all type of ceramic and mosaic tiles, stone material, on deformable and vibrative substrates



### DESCRIPTION

**ISOMAT AK-ELASTIC** is a high performance, two-component elastic adhesive, for all type of ceramic and mosaic tiles, stone material, on deformable and vibrative substrates. It consists of a cement-based powder mortar (component A) and a resin emulsion (component B). It is characterized by extended open time and exceptional elasticity. It offers high initial and final strength and resistance to moisture.

It is classified as type **C2 E S2** adhesive according to **EN 12004** and **EN 12002**.

### FIELDS OF APPLICATION

**ISOMAT AK-ELASTIC** is suitable for fixing ceramic and mosaic tiles, stone material on vibrative and dimensionally unstable substrates where elasticity, adhesion strength and moisture resistance are required like balconies, terraces, gypsum board, old tile layers, floors with in-floor heating, swimming pools etc. For indoor or outdoor use, on walls and floors. Combined with the two-component brushable sealing slurry **AQUAMAT-FLEX** or **AQUAMAT-ELASTIC**, it provides a perfect system for sealing and fixing.



TECHNICAL DATA	
Color:	white
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 10 mm
Pot life:	at least 8 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Pointing on walls:	after 6-12 h
Pointing on floors:	after 24-48 h
Deformation ability according to EN 12002:	> 5 mm
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETE
White	35 kg (A + B)	54(A) + 54(B)
White	7 kg (A + B)	48 (A + B)

ADHESIVE STRENGTH AFTER	
28 days:	≥ 2,00 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 2,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30 <sup>0</sup> C to +90 <sup>0</sup> C



# ISOMAT AK-RAPID

Fast-setting, polymer modified tile adhesive



## DESCRIPTION

**Isomat AK-RAPID** is a fast-setting, polymer modified cement-based tile adhesive. It provides high initial and final adhesive strength and moisture resistance.

**Isomat AK-RAPID** is characterized by no vertical slip.

It is classified as type **C2 FT** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**Isomat AK-RAPID** is suitable for fixing absorptive or non-absorptive tiles on walls or floors on surfaces made of concrete, brickwork, plaster etc., indoors or outdoors. It is ideal in cases where the surfaces have to be delivered fast for use, e.g. work areas etc.



TECHNICAL DATA	
Colors:	grey, white
Water demand:	6,50 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 10 mm
Pot life:	at least 90 min
Open time:	at least 20 min
Minor adjustments open time:	at least 10 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 1 h
Pointing on floors:	after 1-3 h
Consumption:	1,5-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
3 hours:	≥ 0,15 N/mm <sup>2</sup>
6 hours:	≥ 0,50 N/mm <sup>2</sup>
28 days:	≥ 1,40 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,00 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,00 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30°C to +90°C

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey, White	25 kg	-	54
White	5 kg	4	160



# ISOMAT AK-STONE

Coarse-grained tile and natural stone adhesive



## DESCRIPTION

**Isomat AK-STONE** is a coarse-grained, cement-based tile adhesive, suitable for thick layers (up to 15 mm). It provides high initial and final adhesive strength and moisture resistance. It is characterized by extended open time.

It is classified as type **C1 E** adhesive according to **EN 12004**.

## ΠΕΔΙΑ ΕΦΑΡΜΟΓΗΣ

**Isomat AK-STONE** is suitable for fixing tiles or natural stone on walls or floors on surfaces made of concrete, brickwork, plaster etc., indoors or outdoors. Due to its ability to be applied in increased thickness, it can smooth out rough substrates.



TECHNICAL DATA	
Colors:	grey, white
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Consumption:	2,0-8,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,10 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 0,50 N/mm <sup>2</sup>
immersion in water:	≥ 0,65 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 0,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -15 <sup>0</sup> C to +60 <sup>0</sup> C

COLOR	PACKAGE	PIECE/PALLETE
Grey, White	25 kg	54



# ISOMAT AK-GRAND

Polymer-modified adhesive for decorative overlays



## DESCRIPTION

**Isomat AK-GRAND** is a coarse-grained, polymer modified cement-based tile adhesive for decorative overlays. It is suitable for thick layers (up to 15 mm). It provides high initial and final adhesive strength and moisture resistance. **Isomat AK-GRAND** is characterized by extended open time. It can also be used for pointing (grouting) in the above applications.



It is classified as type **C2 E** adhesive according to **EN 12004**.

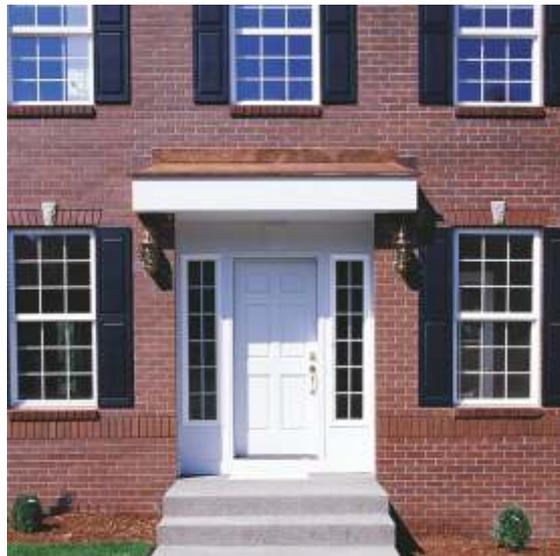
## FIELDS OF APPLICATION

**Isomat AK-GRAND** is suitable for fixing and pointing decorative overlays (artificial stone, slate, decorative bricks etc.), on walls or floors on various surfaces and especially where high adhesion and moisture resistance are required, indoors or outdoors. Due to its ability to be applied in increased thickness, it can smooth out rough substrates.



TECHNICAL DATA	
Colors:	grey, white, beige
Water demand:	7,00 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 15 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
<b>Consumption:</b>	
Tiling:	2,0-8,0 kg/m <sup>2</sup>
Pointing:	0,5-5,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

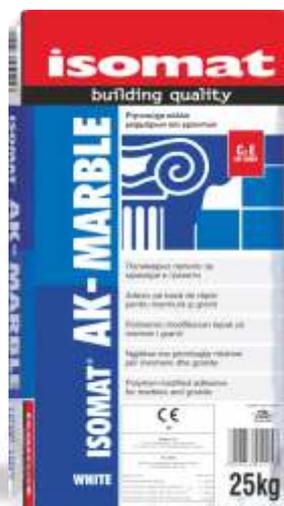
COLOR	PACKAGE	PIECE/PALLETE
Grey, White, Beige	25 kg	54



ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,60 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,50 N/mm <sup>2</sup>
immersion in water:	≥ 1,30 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30°C to +90°C

## ISOMAT AK-MARBLE

Polymer modified marble and granite adhesive



### DESCRIPTION

**Isomat AK-MARBLE** is a fast-setting, polymer modified cement-based marble and granite adhesive. It provides high initial and final adhesive strength and moisture resistance. It is characterized by extended open time. It prevents staining of sensitive overlays, such as marble layers, due to fast retention of water.

It is classified as type **C2 E S1** adhesive according to **EN 12004**.

### FIELDS OF APPLICATION

**Isomat AK-MARBLE** is suitable for fixing marble or granite on walls or floors on various surfaces and especially where high adhesion and moisture resistance are required. It is suitable for indoor or outdoor applications.

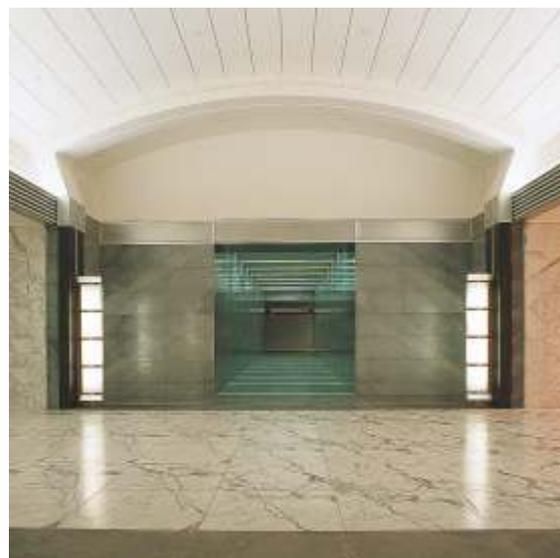
**C2E S1**  
EN 12004



TECHNICAL DATA	
Color:	white
Application temperature:	from +5°C to +35°C
Application thickness:	up to 10 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Pointing on walls:	after 3-8 h
Pointing on floors:	after 24 h
Consumption:	1,5-6,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
24 hours:	≥ 0,50 N/mm <sup>2</sup>
28 days:	≥ 1,80 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,80 N/mm <sup>2</sup>
immersion in water:	≥ 1,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30°C to +90°C

COLOR	PACKAGE	PIECE/PALLETE
White	25 kg	54



# ISOMAT AK-FLUX

High performance, polymer-modified, full-bed leveling tile adhesive



## DESCRIPTION

**Isomat AK-FLUX** is a high quality, polymer-modified, cement based tile adhesive. After the mixing with water, it attains fluid consistency that facilitates especially its use and the procedure of tile fixing. It provides high initial and final strengths, and resistance to moisture. It is characterized by extended open time.

It is qualified as type **C2 E S1** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**Isomat AK-FLUX** is suitable for fixing absorptive and non-absorptive tiles (e.g. "gres porcelanato"), natural stone, marble etc., on various substrates, especially where high adhesion and moisture resistance is required (e.g. old tile layers, floors with in-floor heating etc.). Ideal for fixing large-format tiles. Because of its fluidity and ability to be applied in thick layers, it can smooth and level out at once any imperfections of the substrate. It is suitable for indoor or outdoor applications.

**C2E S1**  
**EN 12004**



TECHNICAL DATA	
Color:	grey
Water demand:	6,50 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Application thickness:	up to 20 mm
Pot life:	at least 6 h
Open time:	at least 30 min
Minor adjustments open time:	at least 30 min
Pointing on floors:	after 24 h
Consumption:	2,0-8,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54



ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,50 N/mm <sup>2</sup>
heating in +70°C:	≥ 1,30 N/mm <sup>2</sup>
immersion in water:	≥ 1,00 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,00 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30°C to +90°C

# MULTIFLEX

Ready-to-use, high quality pasty tile adhesive



## DESCRIPTION

**MULTIFLEX** is a ready-to-use pasty tile adhesive based on acrylic resins. It provides high initial and final adhesive strength, high elasticity and resistance to moisture. It is characterized by no vertical slip. It is ideal for minor repairs due to its fast and easy application.

It is classified as type **D2T** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**MULTIFLEX** is suitable for fixing absorptive or non-absorptive tiles, glass mosaic tiles, thermal and sound insulation boards, natural stones. It is applied on substrates such as concrete, brick, cellular concrete, plaster, gypsum-board, cement-board, wood. Suitable for areas with moisture such as bathrooms, kitchens etc. It is used internally on walls and floors and externally on walls.



TECHNICAL DATA	
Color:	white
Application temperature:	from +5°C to +35°C
Open time:	25 min
Minor adjustments open time:	20 min
Slip:	≤ 0,5 mm
Pointing on walls:	after 12 h
Pointing on floors:	after 24 h
Consumption:	1,0-3,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,20 N/mm <sup>2</sup>
heating in +70°C:	≥ 2,10 N/mm <sup>2</sup>
immersion in water:	≥ 0,50 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -20°C to +90°C

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETTE
White	25 kg	-	16
White	5 kg	-	96
White	1 kg	22	264



# ISOMAT AK 50

2-component epoxy tile adhesive



## DESCRIPTION

**Isomat AK 50** is a 2-component solvent-free epoxy tile adhesive. It has high compressive, flexural and adhesive strength. **Isomat AK 50** is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It has excellent workability and it is easily cleaned with water before hardening.

It is classified as type **R2T** adhesive, according to **EN 12004**.

## FIELDS OF APPLICATION

**Isomat AK 50** is applied wherever high strength to mechanical loads and resistance to chemical effects is required. It is ideally combined with special tiles for industrial use. It is suitable for fixing wall and floor tiles and for pointing wall tile joints in industrial areas like breweries, dairies, laboratories, slaughterhouses and in other sectors of food or chemical industries, as well as in pools, kitchens etc. It is suitable for fixing tiles on various substrates, like concrete, mortar, metal, wood etc. It can also be used for pointing tile joints until 6mm width. It is also suitable for surfaces in direct contact with food products, according to W-347, EPA 330.5 and EPA 110.2.



TECHNICAL DATA	
Colors:	light grey
Minimum hardening temperature:	+10 <sup>0</sup> C
Pot life:	approx. 45 min at +23 <sup>0</sup> C
Minor adjustments open time:	20 mm at +23 <sup>0</sup> C
Slip:	≤ 0,5 mm
Pointing on walls:	after 8 h at +23 <sup>0</sup> C
Pointing on floors:	after 16 h at +23 <sup>0</sup> C
Consumption:	approx. 1,75 kg/m <sup>2</sup> /mm
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETE
Light Grey	5 kg*	44
Light Grey	10 kg*	110

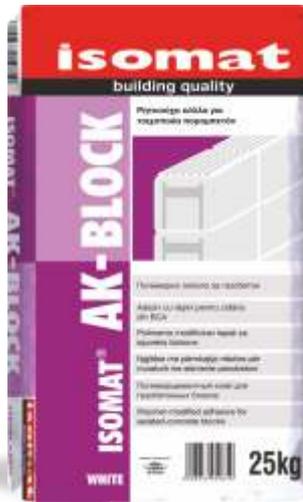
ADHESIVE STRENGTH AFTER	
Compressive strength (DIN EN 196-1):	62,8 N/mm <sup>2</sup>
Flexural strength (DIN EN 196-1):	> 35 N/mm <sup>2</sup>
Partial loading:	after 48 h at +23 <sup>0</sup> C
Full loading:	after 7 days at +23 <sup>0</sup> C
Initial shear adhesion strength:	> 5,6 N/mm <sup>2</sup>
Shear adhesion strength after water immersion:	> 5,1 N/mm <sup>2</sup>
Shear adhesion strength after thermal shock:	> 4,5 N/mm <sup>2</sup>
Temperature resistance:	from -30 <sup>0</sup> C to +90 <sup>0</sup> C



\* Components A (resin) and B (hardener) are packed in two separate containers, in pre-determined mixing proportion by weight. The whole quantity of component B is added into component A.

# ISOMAT AK-BLOCK

Polymer-modified adhesive for aerated concrete masonry



### DESCRIPTION

**Isomat AK-BLOCK** is a high quality polymer modified cement-based adhesive for aerated concrete blocks. It provides high initial and final adhesive strength and moisture resistance. It possesses increased open time for application.

### FIELDS OF APPLICATION

**Isomat AK-BLOCK** is used for fixing aerated concrete elements.

TECHNICAL DATA	
Color:	white
Water demand:	6,75 kg/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Application thickness:	up to 10 mm
Pot life:	at least 6 h
Minor adjustments open time on concrete elements:	at least 10 min
Consumption:	approx. 13 kg for building 1m <sup>3</sup> of aerated concrete wall
Shelf-life - Storage:	12 months

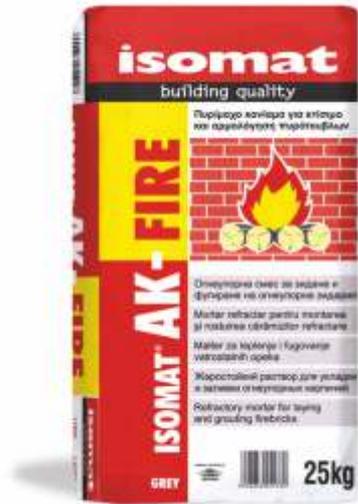
ADHESIVE STRENGTH AFTER	
28 days:	≥ 1,20 N/mm <sup>2</sup>
heating in +70 <sup>0</sup> C:	≥ 1,00 N/mm <sup>2</sup>
immersion in water:	≥ 1,00 N/mm <sup>2</sup>
25 freeze-thaw cycles:	≥ 1,00 N/mm <sup>2</sup>
<b>Temperature resistance:</b>	from -30 <sup>0</sup> C to +90 <sup>0</sup> C

COLOR	PACKAGE	PIECE/PALLETE
White	25 kg	54



# ISOMAT AK-FIRE

Refractory mortar for laying and grouting firebricks



## DESCRIPTION

**Isomat AK-FIRE** is a cement-based mortar for firebricks.

It contains high alumina cement, quartz aggregate of selected particle size and special polymer components (resins).

It provides excellent resistance to high temperatures and extensive temperature changes, high initial and final adhesive strength and resistance to moisture.

## FIELDS OF APPLICATION

Suitable for laying and grouting all kinds of firebricks in places where high temperatures are developed (fireplaces, wood ovens, stoves, barbecues, chimneys etc.). Ideal for repairing damaged mortar joints and firebricks. Suitable for indoor and outdoor applications.

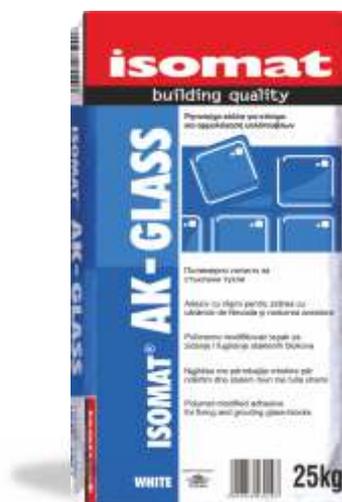
TECHNICAL DATA	
Color:	grey
Water demand:	4,75 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Compressive strength:	46,00 ± 2,00 N/mm <sup>2</sup>
Flexural strength:	6,90 ± 0,20 N/mm <sup>2</sup>
Pot life:	at least 2 h
Temperature resistance:	up to +1200°C
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey	25 kg	-	54
Grey	5 kg	4	160



## ISOMAT AK-GLASS

Polymer-modified adhesive for fixing and pointing glass-blocks



### DESCRIPTION

**Isomat AK-GLASS** is a polymer modified, cement-based adhesive for glass-blocks. It features excellent workability, superior adhesion on glass-blocks and resistance to abrasion and moisture.

### FIELDS OF APPLICATION

**Isomat AK-GLASS** is used for fixing and pointing glass-blocks.

TECHNICAL DATA	
Color:	white
Water demand:	4,50 kg/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Compressive strength:	20,00 N/mm <sup>2</sup>
Flexural strength:	4,40 N/mm <sup>2</sup>
Pot life:	at least 3 h
Consumption:	approx. 13 kg for building 1m <sup>2</sup> of ordinary glass-block wall
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
White	25 kg	-	54
White	5 kg	4	160



# ISOMAT AK-THERMO

Fibre-reinforced adhesive for thermo-insulation boards



## DESCRIPTION

**Isomat AK-THERMO** is a fibre-reinforced cement-based adhesive, enriched with polymers (resins). It provides high initial and final adhesive strength, elasticity and resistance to moisture.

It is classified as a **GP CS IV W2** rendering mortar according to **EN 998-1** and as a **C2E** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**Isomat AK-THERMO** is used in combination with **MARMOCRET PLUS** and **MARMOCRYL** renders as a system for creating external thermo-insulated facades. It is suitable for fixing thermo-insulation boards of extruded or expanded polystyrene, mineral wool, polyurethane, cork, etc., on facades made of concrete, render or masonry. Moreover, when reinforced with fibreglass mesh and applied on the exterior side of fixed thermo-insulation boards, it constitutes the ideal substrate for the subsequent render layer.

**GP CS IV W2**  
**EN 998-1**  
**C2E**  
**EN 12004**



TECHNICAL DATA	
Color:	white
Water demand:	6,25 l/25 kg bag
Application temperature:	from +5°C to +35°C
Pot life:	at least 6 h
Open time:	at least 20 min
<b>Consumption:</b>	
As adhesive:	2,0-4,0 kg/m <sup>2</sup>
As reinforced mortar:	approx. 1,5 kg/m <sup>2</sup> /mm
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH	
• On concrete:	≥ 2,00 N/mm <sup>2</sup>
• On extruded polystyrene:	≥ 0,35 N/mm <sup>2</sup>
• On expanded polystyrene:	≥ 0,10 N/mm <sup>2</sup>
Capillary water absorption:	≤ 0,2 kg/m <sup>2</sup> min <sup>0,5</sup>
Thermal conductivity (λ <sub>10, dry</sub> ):	0,43 W/mK

COLOR	PACKAGE	PIECE/PALLETE
White	25 kg	54



# ISOMAT AK-THERMO ACRYL

Acrylic reinforcing pasty coating for thermo-insulation boards



## DESCRIPTION

Isomat AK-THERMO ACRYL is a ready to use, pasty, fiber-reinforced coating, based on acrylic resins. It provides high initial and final bond strength, high elasticity and resistance to moisture. It accelerates and simplifies the application.

Certified with the CE marking according to **EN 15824** as a **V2, W3** render and according to **EN 12004** as a **D2E** adhesive.

## FIELDS OF APPLICATION

Isomat AK-THERMO ACRYL is used as a reinforcing coating for embedding fiberglass mesh on fixed thermo-insulation boards, constituting the ideal substrate for the subsequent organic plaster layer. Moreover, it is used for fixing any kind of thermo-insulation materials, such as extruded or expanded polystyrene boards, stone wool etc., on the exterior surface of buildings.

In combination with the acrylic or silicone acrylic plasters **MARMOCRYL** and **MARMOCRYL-SILICONE**. It is also ideal for the external thermal insulation of buildings.



TECHNICAL DATA	
Color:	white
Application temperature:	from +5°C to +35°C
Open time:	at least 50 min
Minor adjustments open time:	at least 30 min
<b>Consumption:</b>	
As adhesive:	2,0-5,0 kg/m <sup>2</sup>
As reinforced coating:	approx. 3,0-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH	
• On concrete:	≥ 1,20 N/mm <sup>2</sup>
• On extruded polystyrene:	≥ 0,21 N/mm <sup>2</sup>
• On expanded polystyrene:	≥ 0,15 N/mm <sup>2</sup>

COLOR	PACKAGE	PIECE/PALLETE
White	25 kg	24



# ISOMAT AK-T33

Adhesive for thermal insulation boards



## DESCRIPTION

**Isomat AK-T33** is a cement-based adhesive for thermal insulation boards. It provides high adhesive strength, elasticity and moisture resistance.

## FIELDS OF APPLICATION

**Isomat AK-T33** is used in combination with the plasters **MARMOCRET PLUS** and **MARMOCRYL**, as a system for the external thermal insulation of buildings.

It is suitable for fixing thermal insulation polystyrene boards on the facades of buildings.

TECHNICAL DATA	
Color:	grey
Water demand:	6,00 kg/25 kg bag
Application temperature:	from +5°C to +35°C
Compressive strenght:	8,00 N/mm <sup>2</sup>
Flexular strenght:	3,50 N/mm <sup>2</sup>
Pot life:	at least 6 h
Consumption:	3,0-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

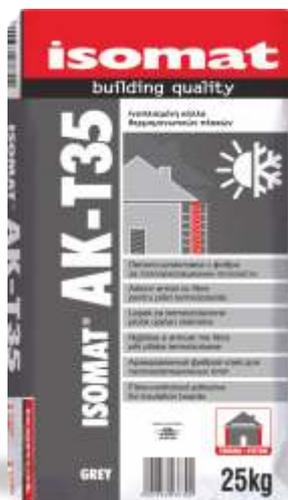
ADHESIVE STRENGTH TO	
• On concrete:	≥ 0,80 N/mm <sup>2</sup>
• On extruded polystyrene:	≥ 0,07 N/mm <sup>2</sup>
• On expanded polystyrene:	≥ 0,04 N/mm <sup>2</sup>
Capillary water absorption:	≤ 0,5 kg/m <sup>2</sup> min <sup>0,5</sup>

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54



## ISOMAT AK-T35

Fiber-reinforced adhesive for thermal insulation boards



### DESCRIPTION

**Isomat AK-T35** is a fiber-reinforced cement-based adhesive, enriched with polymers (resins). It provides high initial and final adhesive strength, elasticity and resistance to moisture. It is qualified as absolutely non-slip adhesive with increased open time.

### FIELDS OF APPLICATION

**Isomat AK-T35** is used in combination with the plasters **MARMOCRET PLUS** and **MARMOCRYL**, as a system for the external thermal insulation of buildings. It is suitable for fixing thermal insulation polystyrene boards on the facades of buildings. Moreover, when applied reinforced with fiberglass mesh on fixed thermal insulation boards, it constitutes the ideal substrate for the subsequent plaster.

TECHNICAL DATA	
Color:	white, grey
Water demand:	5,75l/25 kg bag
Application temperature:	from +5 <sup>0</sup> C to +35 <sup>0</sup> C
Pot life:	at least 6 h
<b>Consumption:</b>	
• As adhesive:	2,0-5,0 kg/m <sup>2</sup>
• As reinforced mortar:	approx. 3,0-4,0 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

ADHESIVE STRENGTH TO	
concrete:	≥ 1,20 N/mm <sup>2</sup>
extruded polystyrene:	≥ 0,21 N/mm <sup>2</sup>
expanded polystyrene:	≥ 0,15 N/mm <sup>2</sup>

COLOR	PACKAGE	PIECE/PALLETE
White, grey	25 kg	54



- 1 Fixing thermal insulation polystyrene boards with ISOMAT AK-35
- 2 Thermal insulating boards
- 3 ISOMAT AK-55, reinforced with fiber-glass mesh
- 4 Plastering with MARMOCRET PLUS and MARMOCRYL

# ISOMAT AK-T55

Fibre-reinforced adhesive for thermo-insulation boards



## DESCRIPTION

**Isomat AK-T55** is a fibre-reinforced cement-based adhesive, enriched with polymers (resins). It provides high initial and final adhesive strength, elasticity and resistance to moisture.

It is classified as a **GP CS IV W2** rendering mortar according to **EN 998-1** and as a **C2** adhesive according to **EN 12004**.

## FIELDS OF APPLICATION

**Isomat AK-T55** is used in combination with **MARMOCRET PLUS** and **MARMOCRYL** renders as a system for creating external thermo-insulated facades. It is suitable for fixing thermo-insulation boards of extruded or expanded polystyrene, mineral wool, polyurethane, cork, etc., on facades made of concrete, render, or masonry. Moreover, when reinforced with fibreglass mesh and applied on the exterior side of fixed thermo-insulation boards, it constitutes the ideal substrate for the subsequent render layer.

**GP CS IV W2**  
**EN 998-1**

**C2**  
**EN 12004**



TECHNICAL DATA	
Color:	white
Water demand:	5,50 l/25 kg bag
Application temperature:	from +5°C to +35°C
Compressive strength:	12,00 ± 1,00 N/mm <sup>2</sup>
Flexural strength:	5,50 ± 0,50 N/mm <sup>2</sup>
Pot life:	at least 4 h
<b>Consumption:</b>	
• As adhesive:	3,0-4,0 kg/m <sup>2</sup>
• As reinforced mortar:	approx. 1,5 kg/m <sup>2</sup> /mm
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETTE
White	25 kg	54

- 1 Fixing thermal insulation polystyrene boards with ISOMAT AK-55
- 2 Thermal insulating boards
- 3 ISOMAT AK-55, reinforced with fiber-glass mesh
- 4 Plastering with MARMOCRET PLUS and MARMOCRYL

ADHESIVE STRENGTH	
• On concrete:	≥ 1,30 N/mm <sup>2</sup>
• On extruded polystyrene:	≥ 0,15 N/mm <sup>2</sup>
• On expanded polystyrene:	≥ 0,10 N/mm <sup>2</sup>
Capillary water absorption:	≤ 0,2 kg/m <sup>2</sup> min <sup>0,5</sup>
Thermal conductivity (λ <sub>10,05</sub> ):	0,45 W/mK

# ISOMAT AK-EPOXY NORMAL

2-component, epoxy adhesive



## DESCRIPTION

**Isomat AK-EPOXY NORMAL** is a 2-component, solvent-free, epoxy adhesive. It has high compressive, flexural and shear adhesion bond strength. It is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It is easy to use due to the simple mixing proportion of the two components (A:B = 1:1 by volume).

It is classified as type **R2T** adhesive, according to **EN 12004**.

## FIELDS OF APPLICATION

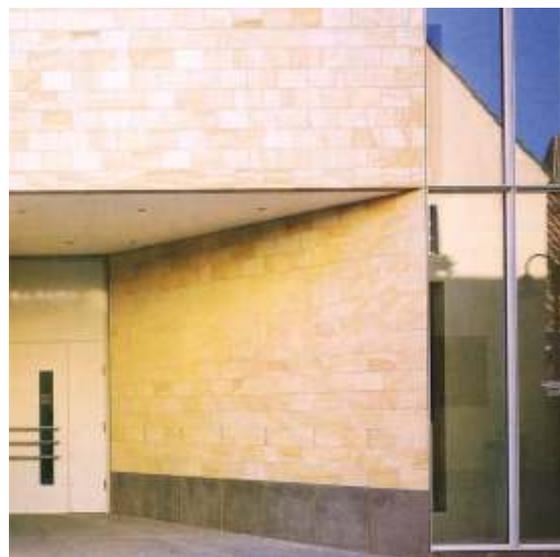
**Isomat AK-EPOXY NORMAL** is suitable for fixing marbles, granites and most of the building materials to several substrates (concrete, wood, metal etc.), on walls or floors. Ideal for applications where high adhesion is required. Suitable for indoor or outdoor use.



TECHNICAL DATA	
Colors:	light yellow
Mixing proportion:	1:1 by volume
Minimum hardening temperature:	+8°C
Pot life:	40 min at +25°C
Slip:	≤ 0,5 mm
Minimum cure time:	6 h at +25°C
Full cure time:	4 days at +25°C
Consumption:	depends on the dimensions and weight of the bonded material
Shelf-life - Storage:	24 months

ADHESIVE STRENGTH	
Compressive strength (DIN EN 196-1):	70,00 N/mm <sup>2</sup>
Flexural strength (DIN EN 196-1):	18,00 N/mm <sup>2</sup>
Initial shear adhesion strength:	> 11,60 N/mm <sup>2</sup>
Shear adhesion strength after water immersion:	> 3,30 N/mm <sup>2</sup>
Shear adhesion strength after thermal shock:	> 2,40 N/mm <sup>2</sup>

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Light yellow	20 lit (A+B)	-	22 (A+B)
Light yellow	4 lit (A+B)	-	70 (A+B)
Light yellow	1 lit (A+B)	18 (A+B)	-



# ISOMAT AK-EPOXY FAST

2-component, fast-setting epoxy adhesive



## DESCRIPTION

**Isomat AK-EPOXY FAST** is a 2-component, fast-setting solvent-free epoxy adhesive. It has high compressive, flexural and shear adhesion bond strength. It is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It is easy to use due to the simple mixing proportion of the two components (A:B = 1:1 by volume).

It is classified as type **R2T** adhesive, according to **EN 12004**.

## FIELDS OF APPLICATION

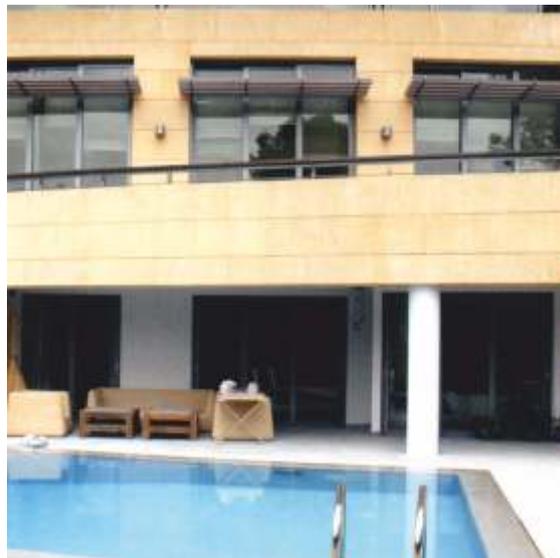
**Isomat AK-EPOXY FAST** is suitable for fixing marbles, granites and most of the building materials to several substrates (concrete, wood, metal etc.), on walls or floors. Ideal for fixing on vertical surfaces due to its fast setting (7 minutes). Suitable for indoor or outdoor use.



TECHNICAL DATA	
Color:	grey-green
Mixing proportion:	1:1 by volume
Minimum hardening temperature:	+5°C
Pot life:	3 min at +25°C
Slip:	≤ 0,5 mm
Minimum cure time:	1 h at +25°C
Full cure time:	24 h at +25°C
Consumption:	depends on the dimensions and weight of the bonded material
Shelf-life - Storage:	24 months

ADHESIVE STRENGTH	
Compressive strength (DIN EN 196-1):	60,00 N/mm <sup>2</sup>
Flexural strength (DIN EN 196-1):	15,00 N/mm <sup>2</sup>
Initial shear adhesion strength:	> 10,60 N/mm <sup>2</sup>
Shear adhesion strength after water immersion:	> 5,70 N/mm <sup>2</sup>
Shear adhesion strength after thermal shock:	> 7,90 N/mm <sup>2</sup>

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey-green	20 lit (A+B)	-	18 (A+B)
Grey-green	4 lit (A+B)	-	70 (A+B)
Grey-green	1 lit (A+B)	18 (A+B)	-



## ISOMAT MT 200

Pre-mixed, cement-based mortar for marbles



### DESCRIPTION

Pre-mixed, cement-based mortar for fixing marbles, that needs only the addition of water. The composition of **Isomat MT 200** ensures the maintenance of the color and the whiteness of the marbles, while it prevents their staining.

It provides:

- Simplification and acceleration of application.
- High initial and final adhesive strength.
- Excellent workability.
- Stable standardized properties.

Due to the special particle size granulation of the product, the mortar does not lose the volume during the application of the marbe.

### FIELDS OF APPLICATION

It is used for fixing marbles of all dimensions on cement-based substrates. Suitable for indoor and outdoor applications.

TECHNICAL DATA	
Color:	white
Particle size:	up to 3 mm
Water demand:	4,25 l/25 kg bag
Bulk density of dry mortar:	1,80 ± 0,10 kg/lit
Bulk density of fresh mortar:	1,75 ± 0,10 kg/lit
Compressive strength:	11,00 ± 1,00 N/mm <sup>2</sup>
Flexural strength:	2,80 ± 0,20 N/mm <sup>2</sup>
Adhesive strength (28 days):	1,20 ± 0,10 N/mm <sup>2</sup>
Pot life:	3 h at +20 <sup>0</sup> C
Maximum layer thickness:	30 mm
Consumption:	approx. 15 kg/m <sup>2</sup> /mm
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETE
White	25 kg	54



# MONTAGE-S

High quality adhesive for fast and powerful bonding



## DESCRIPTION

High quality pasty adhesive in a solvent solution. **MONTAGE-S** is based on caoutchouc and synthetic resins. It is used for fast and powerful bonding on almost all construction materials. No need for drilling, screwing or nailing.

## FIELDS OF APPLICATION

**MONTAGE-S** is suitable for direct bonding on almost all kinds of substrates, like wood frames and skirting boards, panels, wood floorings, wood and metallic baseboards, ceramic tiles, decorative frames, natural stones, wall sockets etc.

**MONTAGE-S** is not suitable for bonding mirrors, polystyrene insulation boards or other materials sensitive to solvents.

## CONSUMPTION

Typical consumption: 1 cartridge / 12 linear meters.

CARTRIDGE	PIECE/BOX	PIECE/PALLETE
310 ml	25	1200

# MONTAGE-W

High quality, solvent free adhesive for fast and powerful bonding



## DESCRIPTION

High quality, solvent free adhesive based on acrylic emulsion. It is used for fast and powerful bonding on all kinds of porous substrates, like wood, concrete, masonry, gypsum boards etc. No need for drilling, screwing or nailing.

## FIELDS OF APPLICATION

**MONTAGE-W** is suitable for direct bonding of thermal insulation polystyrene boards, sound insulation boards, wood frames and skirting boards, panels, wood floorings, baseboards, tiles, decorative frames, natural stones, wall sockets etc., on porous substrates.

## CONSUMPTION

Typical consumption: 1 cartridge / 12 linear meters.

CARTRIDGE	PIECE/BOX	PIECE/PALLETE
310 ml	25	1200

# ISOMAT AK-PARQUET

Polyurethane adhesive for wooden floorings



### DESCRIPTION

Isomat AK-PARQUET is a powerful, polyurethane based adhesive for wooden floorings. It provides:

- Excellent bond strength.
- High resistance to temperature fluctuations from -40°C to +90°C.
- Sound insulation properties.
- Permanent elasticity and high mechanical strength.
- Very good bonding to various substrates.
- Painting ability.
- Simple application as it is ready to use and there is no need for mixing components.
- It is solvent and water free and thus does not affect the wood.

### FIELDS OF APPLICATION

Suitable for bonding all types of parquet (solid, lam parquet etc.), strips and longstrips onto cement based substrates, old wooden floorings, tile layers, marble, mosaic, metallic surfaces etc. Ideal for floors with underfloor heating system.

TECHNICAL DATA	
Color:	beige
Density:	1,45kg/l
Skin formation:	45 min
Curing time:	3 mm/24 hrs (23°C, 50% R.H)
Hardness Shore A:	50 ± 5
Tensile strength (ISO 8339):	1,50 N/mm <sup>2</sup>
Elongation at break (ISO 8339):	400%
Consumption:	1,20-1,40 kg/m <sup>2</sup>
Shelf-life - Storage:	12 months

COLOR	PACKAGE	PIECE/PALLETE
Beige	12 kg	36



# SUPERBOND-PU

Polyurethane adhesive for powerful bonding



## DESCRIPTION

High performance, one-component polyurethane adhesive, without solvents. Ready to use.

It provides:

- Powerful bonding on all construction materials.
- Great endurance to ageing and weather.
- Resistance to temperature fluctuations from -40°C to +110°C.

## FIELDS OF APPLICATION

**SUPERBOND-PU** is used for powerful bonding on all construction materials such as wood, concrete, aluminium, tiles etc. It is also suitable for every wood construction and for wood furniture industry. Ideal for minor-repairs.

### TECHNICAL DATA

Base:	polyurethane
Color:	white
Application temperature::	from +5°C to +40°C
Adhesive strength:	3,50 N/mm <sup>2</sup>
Typical consumption:	1 cartridge / 12 linear meters
Shelf-life - Storage:	12 months

CARTRIDGE	PIECE/BOX	PIECE/PALLETE
280 ml	25	1500

# MULTIFILL 2-5

Tile grout



## DESCRIPTION

**MULTIFILL 2-5** is a cement-based, colored tile grout. It offers high mechanical strength and color stability. Suitable for joint width 2-5 mm.

It is classified as type **CG2 WA** tile grout according to **EN 13888**.

## FIELDS OF APPLICATION

**MULTIFILL 2-5** is used for pointing tile joints on walls or floors, for indoor and outdoor applications.

**CG2 WA**  
EN 13888

**34**  
colors

### TECHNICAL DATA

Water demand:	6,50 l/25 kg bag
Application temperature:	from +5°C to +35°C
Abrasion resistance:	≤ 1000 mm <sup>3</sup>
<b>Compressive strength after:</b>	
• 28 days:	40,00 N/mm <sup>2</sup>
• 25 freeze-thaw cycles:	40,00 N/mm <sup>2</sup>
<b>Flexural strength after:</b>	
• 28 days:	6,00 N/mm <sup>2</sup>
• 25 freeze-thaw cycles:	5,00 N/mm <sup>2</sup>
Drying shrinkage:	≤ 2 mm/m
<b>Water absorption after:</b>	
• 30 min:	≤ 2 g
• 240 min:	≤ 5 g
Pot life:	at least 4 h at +20°C
Walkability:	after 10 h at +20°C
Shelf-life - Storage:	12 months

PACKAGE	PIECE/BOX	PIECE/PALLETE
25 kg	-	54
5 kg	4	160
2 kg	10	300

## CONSUMPTION

The consumption of **MULTIFILL 2-5** depends on the tile dimensions and the joint width. The following cases are mentioned indicatively (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width			
	2 mm	3 mm	4 mm	5 mm
2,0 x 2,0 x 0,4	1,02	1,54	2,05	2,56
20 x 40 x 0,8	0,15	0,23	0,31	0,38
30 x 30 x 0,8	0,14	0,20	0,27	0,34
30 x 60 x 1,0	0,13	0,19	0,26	0,32
40 x 40 x 1,0	0,13	0,19	0,26	0,32
50 x 50 x 1,0	0,10	0,15	0,20	0,26



# MULTIFILL 3-15

## Tile grout



### DESCRIPTION

**MULTIFILL 3-15** is a cement-based, colored tile grout. It offers high mechanical strength and color stability. Suitable for joint width 3-15 mm.

It is classified as type **CG2 WA** tile grout according to **EN 13888**.

### FIELDS OF APPLICATION

**MULTIFILL 3-15** is used for pointing tile joints on walls or floors, for indoor and outdoor applications.



TECHNICAL DATA	
Water demand:	6,75 l/25 kg bag
Application temperature:	from +5°C to +35°C
Abrasion resistance:	≤ 1000 mm <sup>3</sup>
<b>Compressive strength after:</b>	
28 days:	38,00 N/mm <sup>2</sup>
25 freeze-thaw cycles:	38,00 N/mm <sup>2</sup>
<b>Flexural strength after:</b>	
28 days:	7,50 N/mm <sup>2</sup>
25 freeze-thaw cycles:	7,50 N/mm <sup>2</sup>
Drying shrinkage:	≤ 2 mm/m
<b>Water absorption after:</b>	
30 min:	≤ 2 g
240 min:	≤ 5 g
Pot life:	at least 4 h at +20°C
Walkability:	after 10 h at +20°C
Shelf-life - Storage:	12 months

PACKAGE	PIECE/BOX	PIECE/PALLETE
25 kg	-	54
5 kg	4	160

### CONSUMPTION

The consumption of **MULTIFILL 3-15** depends on the tile dimensions and the joint width. The following cases are mentioned indicatively (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width			
	3 mm	4 mm	5 mm	6 mm
2,0 x 2,0 x 0,4	1,82	2,43	3,04	-
20 x 40 x 0,8	0,27	0,36	0,46	0,55
30 x 30 x 0,8	0,24	0,32	0,41	0,49
30 x 60 x 1,0	0,23	0,30	0,38	0,46
40 x 40 x 1,0	0,23	0,30	0,38	0,46
50 x 50 x 1,0	0,18	0,24	0,30	0,36



# MULTIFILL SMALTO 1-8

Tile grout with porcelain effect, water-repellent



## DESCRIPTION

**MULTIFILL SMALTO 1-8** 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**.

## FIELDS OF APPLICATION

**MULTIFILL SMALTO 1-8** is used for pointing tile joints on walls or floors, for indoor and outdoor applications.

**CG2 WA**  
EN 13888

**34**  
colors

### TECHNICAL DATA

Water demand:	5,5 l/20 kg bag
Application temperature:	from +5°C to +35°C
Abrasion resistance:	≤ 1000 mm <sup>3</sup>
Compressive strength:	30,00 N/mm <sup>2</sup>
Flexural strength:	7,50 N/mm <sup>2</sup>
Drying shrinkage:	≤ 2 mm/m
<b>Water absorption after:</b>	
• 30 min:	≤ 2 g
• 240 min:	≤ 5 g
Pot life:	at least 2 h at +20°C
Walkability:	after 10 h at +20°C
Shelf-life - Storage:	12 months

### CONSUMPTION

The consumption of **MULTIFILL SMALTO 1-8** depends on the tile dimensions and the joint width. The following cases are mentioned indicatively (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width			
	3 mm	4 mm	5 mm	6 mm
2,0 x 2,0 x 0,4	1,82	2,43	3,04	-
20 x 40 x 0,8	0,27	0,36	0,46	0,55
30 x 30 x 0,8	0,24	0,32	0,41	0,49
30 x 60 x 1,0	0,23	0,30	0,38	0,46
40 x 40 x 1,0	0,23	0,30	0,38	0,46
50 x 50 x 1,0	0,18	0,24	0,30	0,36

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 kg	-	54
4 kg	4	160
2 kg	8	240



Natural samples kit of **MULTIFILL** is available.



# MULTIFILL RAPID 1-8

Rapid setting tile grout, with porcelain effect, water-repellent



## DESCRIPTION

**MULTIFILL RAPID 1-8** is a colored, rapid setting, cement based tile grout enriched with resins. It offers high mechanical strength, superb color stability and great water-repellence. It gives a smooth and glossy final surface. Due to its low capillary absorption it is easy to clean from stains/dirt. Suitable for joint width from 1 up to 8 mm.

It is classified as type **CG2 WA** tile grout according to **EN 13888**.

## FIELDS OF APPLICATION

**MULTIFILL RAPID 1-8** is used for pointing tile joints on walls or floors, for indoor and outdoor applications. Ideal when the wall or floor has to be delivered fast for use, e.g. work areas etc.



## TECHNICAL DATA

Water demand:	1,00 l/4 kg bag
Application temperature:	from +5°C to +35°C
Abrasion resistance:	≤ 81 mm <sup>3</sup>
<b>Compressive strength after:</b>	
• 28 days:	29,60 N/mm <sup>2</sup>
• 25 freeze-thaw cycles:	26,00 N/mm <sup>2</sup>
<b>Flexural strength after:</b>	
• 28 days:	7,80 N/mm <sup>2</sup>
• 25 freeze-thaw cycles:	6,75 N/mm <sup>2</sup>
Drying shrinkage:	≤ 2 mm/m
<b>Water absorption after:</b>	
• 30 min:	≤ 0,26 g
• 240 min:	≤ 0,54 g
Pot life:	approx. 30' at +20°C
Walkability:	after 2 h at +20°C
Shelf-life - Storage:	12 months

## CONSUMPTION

The consumption of **MULTIFILL RAPID 1-8** depends on the tile dimensions and the joint width. The following cases are mentioned indicatively (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width			
	3 mm	4 mm	5 mm	6 mm
2,0 x 2,0 x 0,4	1,82	2,43	3,04	-
20 x 40 x 0,8	0,27	0,36	0,46	0,55
30 x 30 x 0,8	0,24	0,32	0,41	0,49
30 x 60 x 1,0	0,23	0,30	0,38	0,46
40 x 40 x 1,0	0,23	0,30	0,38	0,46
50 x 50 x 1,0	0,18	0,24	0,30	0,36

PACKAGE	PIECE/BOX	PIECE/PALLETE
4 kg	4	160

# MULTIFILL-EPOXY GLITTER

3-component, decorative epoxy grout



## DESCRIPTION

**MULTIFILL-EPOXY GLITTER** is a 3-component solvent-free epoxy grout. It has high compressive, flexural and adhesive strength. With the addition of the special glitter **ISOMAT GLITTER** into **MULTIFILL EPOXY GLITTER**, is created a grout with particular aesthetic metalized effect. **MULTIFILL-EPOXY GLITTER** is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It has excellent workability and is easily cleaned with water before hardening. Suitable for joint width 1,5-12 mm.



It is classified as a **RG** tile grout according to **EN 13888**.

## FIELDS OF APPLICATION

**MULTIFILL-EPOXY GLITTER** is applied to achieve a grout with special aesthetic finish, due to the reflection of light caused by the metallic aggregates **ISOMAT-GLITTER**. Furthermore it is used wherever high chemical resistance and mechanical strength is required. It is ideally combined with glass mosaic tiles and with high chemical resistant tiles. It is suitable for pointing wall or floor tile joints in residences, restaurants, showrooms, commercial areas, industrial areas etc.

The metallic aggregates are available in 10 colors.



PRODUCT	PACKAGE	PIECE/BOX	PIECE/PALLETTE
MULTIFILL EPOXY GLITTER	2 kg (A+B)	-	110
ISOMAT GLITTER	200 gr	20	-

\* Components A (resin) and B (hardener) are packed in two separate containers, in pre-determined mixing proportion by weight. The whole quantity of component B is added into component A. After mixing the two components, ISOMAT GLITTER is added, 10% by weight of MULTIFILL EPOXY GLITTER (Each 2 kg package of MULTIFILL EPOXY GLITTER is mixed with one package of 200 g of ISOMAT GLITTER).

## TECHNICAL DATA

Colors:	10 selected
Minimum hardening temperature:	+10°C
Pot life:	approx. 45 min at +23°C
Cleaning:	in 45 min at +23°C
Walkability:	after 16 h at +23°C
Shelf-life - Storage:	12 months

## ADHESIVE STRENGTH

Compressive strength (DIN EN 196-1):	49,00 N/mm <sup>2</sup>
Flexural strength (DIN EN 196-1):	30,00 N/mm <sup>2</sup>
Wear resistance:	≤ 4,20 N/mm <sup>3</sup>
Water absorption after 240':	≤ 0,02 g
Adhesive strength:	> 3,00 N/mm <sup>2</sup>

## CONSUMPTION

The consumption depends on the tile dimensions and the joint width. Indicative cases are shown below (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width					
	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
2,0 x 2,0 x 0,4	1,62	2,16	2,70	-	-	-
10 x 20 x 1,0	0,61	0,81	1,01	1,22	1,62	2,03
15 x 30 x 1,0	0,41	0,54	0,68	0,81	1,08	1,35
30 x 30 x 1,0	0,27	0,36	0,45	0,54	0,72	0,90



# MULTIFILL COLORS

The **MULTIFILL** products are available in 5 different types, in the corresponding colors and packages:

COLORS	PACKAGE	2 kg	4 kg	5 kg	20 kg	25 kg
01 White		▲ ●	● ◆	▲ ■	●	▲ ■ ◆
02 Black		▲ ●	●	▲ ■		
10 Dark Grey		▲ ●	● ◆	▲ ■		▲ ◆
30 Cement Grey		▲ ●	● ◆	▲ ■		▲
03 Grey		▲ ●	● ◆	▲ ■	●	▲ ■ ◆
05 Light Grey		▲ ●	● ◆	▲ ■	●	▲ ■
15 Manhattan Grey		▲ ●	● ◆	▲ ■		
04 Pearl Grey		▲ ●	●	▲ ■		
11 Ivory		▲ ●	●	▲ ■		
17 Anemone		▲ ●	● ◆	▲ ■		
18 Pearl Beige		▲ ●	●	▲ ■		
06 Bahama Beige		▲ ●	● ◆	▲ ■	●	▲ ■ ◆
09 Light Brown		▲ ●	●	▲ ■		
19 Mocha		▲ ●	●	▲		
21 Caramel		▲ ●	●	▲ ■		▲ ■
16 Light Ochre		▲ ●	●	▲		◆
23 Oregon		▲ ●	●	▲ ■		
24 Cinnamon		▲ ●	●	▲		
20 Maroon		▲ ●	●	▲ ■		
08 Brown		▲ ●	●	▲ ■		
07 Red Brown		▲ ●	●	▲ ■		
31 Ceramic		▲ ●	●	▲ ■		
14 Cotto		▲ ●	●	▲ ■		
22 Magnolia		▲ ●	●	▲		
36 Cypress		▲ ●	●	▲		
26 Green		▲ ●	●	▲		
34 Mint		▲ ●	●	▲		
35 Tropical Sea		▲ ●	●	▲		
25 Crocus		▲ ●	●	▲		
32 Mykonos Blue		▲ ●	●	▲		
12 Purple		▲ ●	●	▲		
33 Yellow		▲ ●	●	▲		
27 Orange		▲ ●	●	▲		
13 Red		▲ ●	●	▲		

For color accuracy you can consult the natural samples kit of **MULTIFILL**.

- ▲ **MULTIFILL 2-5**
- **MULTIFILL 3-15**
- **MULTIFILL SMALTO 1-8**
- ◆ **MULTIFILL STONE**
- ◆ **MULTIFILL RAPID**

# MULTIFILL ELASTIC

Colored elastic tile joint sealant



### DESCRIPTION

Colored, elastic, one component joint sealant. It offers high elasticity, excellent adhesion to the substrate and resistance to moisture, temperature variations (-40°C to +150°C) and weather exposure. Suitable for joint width 3-40 mm.

### FIELDS OF APPLICATION

**MULTIFILL-ELASTIC** is used for pointing expansion joints. Suitable for indoor and outdoor applications.

TECHNICAL DATA	
Application temperature:	+5°C to +40°C
Skin formation:	after 10-20 min
Hardening time:	2-3 mm/day
Elastic modulus (ISO 8339):	0,60 N/mm <sup>2</sup>
Joint movement capability:	± 25%
Elastic recovery:	approx. 90%
Hardness (Shore A):	25

### CONSUMPTION

Joint 5 mm x 5 mm: 1 cartridge / 11,2 m of joint length.

### COLORS

**MULTIFILL-ELASTIC** is available in the following colors specified by the corresponding code No of the MULTIFILL color range:



White  
(No 01)



Light Grey  
(No 05)



Grey  
(No 03)



Dark Grey  
(No 10)



Bahama Beige  
(No 10)



Anemone  
(No 17)



Caramel  
(No 21)

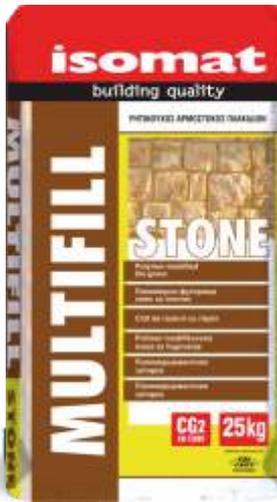
The colors shown above are only indicative. For color accuracy you can consult the natural samples kit of **MULTIFILL**.

PACKAGE	PIECE/BOX	PIECE/PALLETTE
280 ml	25	1125



# MULTIFILL STONE

Colored, polymer-modified cement mortar for building and grouting stone



## DESCRIPTION

Colored, polymer-modified cement mortar for building and grouting natural or artificial stone. It provides high mechanical properties and exceptional color stability. Suitable for joint width 5-40 mm.

It is classified as type **M15** mortar for masonry according to **EN 998-2** and as type **CG2** grout according to **EN 13888**.

## FIELDS OF APPLICATION

**MULTIFILL-STONE** is suitable for building and grouting every kind of stone, on wall or floor. For indoor or outdoor applications.



TECHNICAL DATA	
Colors:	white (01), grey (03), bahama beige (06), light ochre (16)
Water demand:	4,25 l/25 kg bag
Application temperature:	from +5°C to +35°C
Abrasion resistance:	≤ 250 mm <sup>3</sup>
<b>Compressive strength after:</b>	
• 28 days:	18,00 N/mm <sup>2</sup>
• 25 freeze-thaw cycles:	18,00 N/mm <sup>2</sup>
<b>Flexural strength after:</b>	
• 28 days:	6,00 N/mm <sup>2</sup>
• 25 freeze-thaw cycles:	6,00 N/mm <sup>2</sup>
Drying shrinkage:	≤ 1 mm/m
<b>Water absorption after:</b>	
• 30 min:	≤ 0,5 g
• 240 min:	≤ 1,5 g
Pot life:	at least 3 h at +20°C
Walkability:	after 24 h at +20°C
Shelf-life - Storage:	12 months

PACKAGE	PIECE/BOX	PIECE/PALLETE
25 kg	-	54



## CONSUMPTION

Depending on the dimensions of stone and depending on the width and depth of the joint.

# MULTIFILL-EPOXY THIXO

2-component colored epoxy grout and tile adhesive



## DESCRIPTION

**MULTIFILL-EPOXY THIXO** is a 2-component, solvent-free epoxy grout. It has high compressive, flexural and adhesive strength. **MULTIFILL-EPOXY THIXO** is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It is easily cleaned before hardening. Suitable for joint width 1,5-12 mm.

It is classified as type **RG** tile grout according to **EN 13888** and as type **R2T** adhesive according to **EN 12004**.



## FIELDS OF APPLICATION

**MULTIFILL-EPOXY THIXO** is applied wherever high strength to mechanical loads and resistance to chemical effects is required. It is ideally combined with special tiles for industrial use. It is suitable for fixing wall and floor tiles and for pointing wall tile joints in industrial areas like breweries, dairies, laboratories, slaughterhouses and in other sectors of food or chemical industries as well as in pools, kitchens etc. It is also suitable for surfaces in direct contact with food products, according to W-347, EPA 330.5 and EPA 110.2.

### TECHNICAL DATA

Colors:	white, grey, light grey, black, bahama beige
Minimum hardening temperature:	+10°C
Pot life	approx. 45 min at +23°C
Cleaning:	in 45 min at +23°C
Walkability:	after 16 h at +23°C
Shelf-life - Storage:	12 months

### ADHESIVE STRENGTH

Compressive strength (DIN EN 196-1):	45,00 N/mm <sup>2</sup>
Flexural strength (DIN EN 196-1):	30,00 N/mm <sup>2</sup>
Initial shear adhesion strength:	> 4,20 N/mm <sup>2</sup>
Shear adhesion strength after water immersion:	> 3,60 N/mm <sup>2</sup>
Shear adhesion strength after thermal shock:	> 2,80 N/mm <sup>2</sup>
Slip:	≤ 0,5 mm

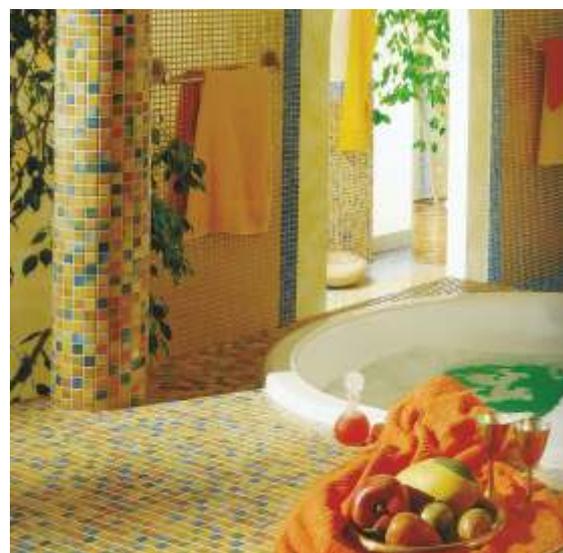
COLOR	PACKAGE	PIECE/PALLETE
White, Grey, Light Grey, Black, Bahama Beige	10 kg*	44
White, Grey, Light Grey, Black, Bahama Beige	5 kg*	110
White, Grey, Light Grey, Black, Bahama Beige	2 kg*	140

\* Components A and B are packed in two separate containers, in pre-determined mixing proportion by weight.

## CONSUMPTION

The consumption depends on the tile dimensions and the joint width. Indicative cases are shown below (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width					
	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
2,0 x 2,0 x 0,4	1,75	2,34	2,92	-	-	-
10 x 20 x 1,0	0,66	0,88	1,10	1,31	1,75	2,19
15 x 30 x 1,0	0,44	0,58	0,73	0,88	1,17	1,46
30 x 30 x 1,0	0,29	0,39	0,49	0,58	0,78	0,97



# MULTIFILL-EPOXY FLOW

2-component epoxy grout-tile adhesive for floorings



## DESCRIPTION

**MULTIFILL-EPOXY FLOW** is a 2-component, solvent-free epoxy grout. It has high compressive, flexural and adhesive strength.

**MULTIFILL-EPOXY FLOW** is resistant to several acids, alkalis, corrosive agents for concrete, cleaning agents, sea water and salted water. It has excellent workability (flowidity) for flooring applications and is easily cleaned with water before hardening. Suitable for joint width 1,5-12 mm.

It is classified as type **RG** tile grout according to **EN 13888** and as type **R2** adhesive according to **EN 12004**.



## FIELDS OF APPLICATION

**MULTIFILL-EPOXY FLOW** is applied wherever high strength to mechanical loads and resistance to chemical effects is required. It is ideally combined with special tiles for industrial use. It is suitable for fixing floor tiles and for pointing floor tile joints in industrial areas like breweries, dairies, laboratories, slaughterhouses and in other sectors of food or chemical industries as well as in pools, kitchens etc. It is also suitable for surfaces in direct contact with food products, according to W-347, EPA 330.5 and EPA 110.2.

TECHNICAL DATA	
Colors:	light grey
Minimum hardening temperature:	+10°C
Pot life	approx. 45 min at +23°C
Cleaning:	in 45 min at +23°C
Shelf-life - Storage:	12 months

COLORS	PACKAGE	PIECE/PALLETTE
Light grey	10 kg*	44
Light grey	5 kg*	110

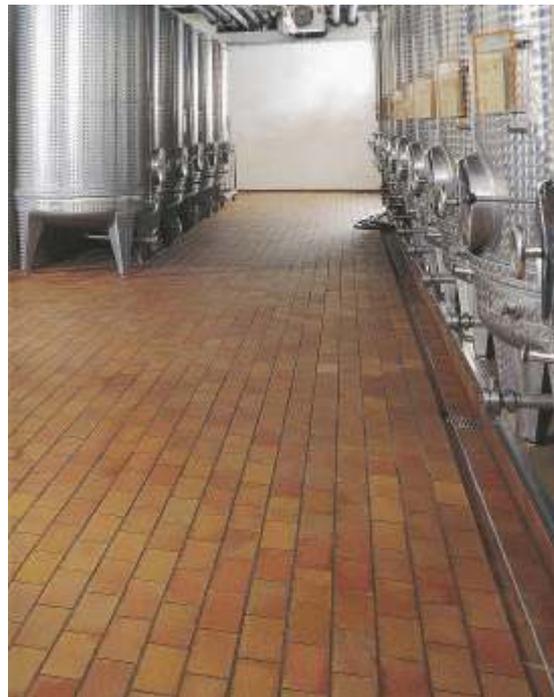
\* Components A (resin) and B (hardener) are packed in two separate containers, in predetermined mixing proportion by weight.

ADHESIVE STRENGTH	
Compressive strength (DIN EN 196-1):	45,00 N/mm <sup>2</sup>
Flexural strength (DIN EN 196-1):	30,00 N/mm <sup>2</sup>
Initial shear adhesion strength:	> 5,30 N/mm <sup>2</sup>
Shear adhesion strength after water immersion:	> 4,70 N/mm <sup>2</sup>
Shear adhesion strength after thermal shock:	> 3,60 N/mm <sup>2</sup>

## CONSUMPTION

The consumption depends on the tile dimensions and the joint width. Indicative cases are shown below (values in kg/m<sup>2</sup>):

Tile Dimensions (cm)	Join width					
	3 mm	4 mm	5 mm	6 mm	8 mm	10 mm
2,0 x 2,0 x 0,4	1,75	2,34	2,92	-	-	-
10 x 20 x 1,0	0,66	0,88	1,10	1,31	1,75	2,19
15 x 30 x 1,0	0,44	0,58	0,73	0,88	1,17	1,46
30 x 30 x 1,0	0,29	0,39	0,49	0,58	0,78	0,97



## ADIFLEX-B

Elastifying agent



### DESCRIPTION

**ADIFLEX-B** is an elastomeric emulsion, used as an admixture for cementitious brushable sealing slurries, tile adhesives, cement-mortars, water-based paints etc., offering:

- High flexibility.
- Water-impermeability.
- Increased bonding to the surface.

### FIELDS OF APPLICATION

**ADIFLEX-B** is used for the elastification of:

- Cementitious brushable sealing slurries (e.g. **AQUAMAT**), when the surface to be sealed shows or is expected to show haircracks.
- Tile adhesives (e.g. **ISOMAT AK 10**, **ISOMAT AK 20**), to fix tiles on substrates that suffer from contraction-expansion effects (dimensional changes) or vibration.

**ADIFLEX-B** may also be used to elastify other cement-mortars.

PACKAGE	PIECE/BOX	PIECE/PALLETE
150 kg	-	3
20 kg	-	39
10 kg	-	36
5 kg	4	72
1 kg	12	324

## DS-99

Additive for tile adhesives and joint grouts



### DESCRIPTION

**DS-99** is a polymer-based admixture for tile adhesives and grouts, offering significant improvements of their properties:

- Increases bonding to the substrate.
- Increases flexural and compressive strength.
- Improves flexibility.
- Increases impressively abrasion resistance.
- Offers water impermeability.
- Improves chemical resistance.

### FIELDS OF APPLICATION

**DS-99** is used as an admixture for tile adhesives and grouts, in cases of high demand for water impermeability, mechanical strength and chemical resistance.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 kg	-	39
5 kg	4	72
1 kg	12	324

# ADIPLAST

Polymer latex for multiple improvement of mortars



## DESCRIPTION

**ADIPLAST** is a polymer latex, used as an admixture to significantly improve the properties of mortars in several ways:

- Increases bonding to the substrate.
- Improves elasticity.
- Increases impressively abrasion resistance.
- Makes mortars water impermeable.
- Eliminates shrinkage and prevents resulting cracks.
- Improves plasticity, water retention and workability of fresh mixtures.
- Improves resistance to chemicals and petroleum products.

## FIELDS OF APPLICATION

- Bonding layer between old and new concrete or mortar.
- Repair mortars and thin layers.
- Wear-resistant, dust-proof floor screeds.
- Waterproof cement mortars, resistant to water pressure.
- Plasters with high strength and water impermeability.
- Mortars with resistance to chemicals and petroleum products.
- Adhesive for insulation boards, tiles or other coverings.
- Additive for improvement of wear and weather resistance of water paints (lime emulsions).
- Grouting mortars for natural stones.
- Mortars for forming grooves across wall-floor joints.
- Protection of green (fresh) concrete against premature dehydration.

PACKAGE	PIECE/BOX	PIECE/PALLETE
150 kg	-	3
20 kg	-	39
12 kg	-	57
5 kg	4	72
1 kg	12	324



## ISOMAT AK-PRIMER

Adhesive promoter for tile adhesives



### CONSUMPTION

100-200 g/m<sup>2</sup>, depending on the absorptivity of the substrate.

### DESCRIPTION

One-component adhesive promoter, based on acrylic resins. It is used for the preparation of smooth, absorbent and non absorbent substrates before the application of cement-based adhesives for tiles, natural or synthetic stones, etc.

### FIELDS OF APPLICATION

**Isomat AK-PRIMER** can be applied as an adhesive promoter on various substrates such as old tiles, marbles, natural stones, smooth cement-based industrial floorings, wooden, metallic or rigid PVC floorings, etc.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 kg	-	39
5 kg	4	324
1 kg	12	324

## UNI-PRIMER

Acrylic water-based primer



### CONSUMPTION

100-200 g/m<sup>2</sup>, depending on the absorptivity of the substrate.

### DESCRIPTION

Polymer emulsion, which stabilizes porous substrates and ensures the proper adhesion of water-based paints, tile-adhesives, flexible mortars, brushable elastomeric coatings etc. By penetrating inside the pores of the substrate, it acts as a bonding layer between the substrate and the paint, adhesive, mortar, coating etc., to be applied.

### FIELDS OF APPLICATION

**UNI-PRIMER** is a ready-to-use primer suitable for ensuring the adhesion of water-based paints on porous substrates made of concrete, masonry, plaster, gypsum boards, chip boards etc. It stabilizes weak or crumbling plasters etc.

It is also used for stabilizing and reducing the water absorption of surfaces formed by gypsum boards or chip boards, on which tile-adhesives, **AQUAMAT-ELASTIC** (2-component, elastic sealing slurry) or **ISOMAT SL 17** (brushable, elastomeric liquid membrane for waterproofing under tiles), are going to be subsequently applied.

It is suitable for indoor and outdoor applications.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 kg	-	39
5 kg	4	72
1 kg	12	324

# AQUAMAT

Cement-based brushable sealing slurry



## DESCRIPTION

**AQUAMAT** is a cement-based brushable sealing slurry, offering:

- Total waterproofing against water pressure up to 7 atm, according to **DIN 1048**.
- Protection of concrete from carbonization.
- Perfect bonding to substrates like concrete, masonry, plaster, even under negative pressure conditions.
- Suitability for potable water tanks as well as surfaces in direct contact with food products, according to **W-347**, EPA 330.5 and EPA 110.2.
- Simple and low-cost application.
- No corrosive effects on steel in reinforced concrete.
- Low chromate level according to **TRGS 613**.

It is classified as a coating for surface protection of concrete, according to **EN 1504-2**.

**EN 1504-2**



## FIELDS OF APPLICATION

Waterproofing of concrete elements, masonry or plaster surfaces, in cases ranging from simple moisture to water pressure. Suitable for waterproofing of basements, water tanks, swimming pools, sewage tanks, etc. Enables internal waterproofing of underground areas, since it can withstand negative pressure (water from the substrate side), due to its absolute bonding to the substrate. In cases that the surface to be sealed shows or is expected to show haircracks, like terraces, balconies etc., the 2-component brushable sealing slurries **AQUAMAT-FLEX** and **AQUAMAT-ELASTIC** are recommended.

## CONSUMPTION

Depending on the water effect, minimum consumption and relevant thickness should be as follows:

Water effect	Minimum consumption	Minimum thickness
Moisture	2,0 kg/m <sup>2</sup>	Approx. 1,5 mm
Water without pressure	3,0 kg/m <sup>2</sup>	Approx. 2,0 mm
Water pressure	3,5-4,0 kg/m <sup>2</sup>	Approx. 2,5 mm

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey, White, Light Blue	25 kg	-	54
Grey, White	5 kg	4	160



# AQUAMAT-FLEX

Flexible, 2-component cement-based brushable sealing slurry



## DESCRIPTION

**AQUAMAT-FLEX** is a flexible, 2-component, brushable sealing slurry. It consists of a cement-based powder mortar (component A) and a resin emulsion (component B). After hardening it forms a seamless and jointless membrane offering the following advantages:

EN 1504-2



- Crack-bridging ability.
- Total waterproofing against water pressure up to 7 atm, according to **DIN 1048**.
- Protection of concrete from carbonization.
- Vapor permeability.
- Suitability for potable water tanks as well as surfaces in direct contact with food products, according to **W-347**.
- Resistance to ageing.
- Bonding to wet surfaces without priming.
- Simple and low-cost application.
- Low chromate level according to **TRGS 613**.

It is classified as a coating for surface protection of concrete, according to **EN 1504-2**.

## FIELDS OF APPLICATION

It is used for waterproofing surfaces made of concrete, plaster, bricks, cement-blocks, mosaic etc., that show or are expected to show hair-cracks. Ideal for application on terraces, rooftops, balconies and damp areas to be covered with tiles (bathrooms, kitchens), inverted roofs, underground reservoirs, flower stands etc. It can also be used for waterproofing of basements, internally or externally, against humidity or water under pressure.

## CONSUMPTION

Depending on the water effect, minimum consumption and relevant thickness should be as follows:

Water effect	Minimum consumption	Minimum thickness
Moisture	2,0 kg/m <sup>2</sup>	Approx. 1,5 mm
Water without pressure	3,0 kg/m <sup>2</sup>	Approx. 2,0 mm
Water pressure	3,5-4,0 kg/m <sup>2</sup>	Approx. 2,5 mm

COLOR	PACKAGE	PIECE/PALLETE
Grey	33 kg (A+B)	54(A) + 54(B)
Grey	18 kg (A+B)	18(A+B)



# AQUAMAT-ELASTIC

Elastic, 2-component, cement-based, brushable sealing slurry



## DESCRIPTION

**AQUAMAT-ELASTIC** is an elastic, 2-component, brushable sealing slurry. It consists of a cement-based powder mortar (component A) and a resin emulsion (component B). After hardening it forms a seamless and jointless membrane offering the following advantages:

EN 1504-2



- Crack-bridging ability.
- Total waterproofing against water pressure up to 7 atm, according to **DIN 1048-5**.
- Protection of concrete from carbonization.
- Vapor permeability.
- Suitability for potable water tanks as well as surfaces in direct contact with food products, according to **W-347**.
- Resistance to ageing.
- Bonding to slightly wet surfaces without priming.
- Simple and low-cost application.
- Suitable for green roofs, flower beds etc. as it is certified for being root resistant.

It is classified as a coating for surface protection of concrete, according to **EN 1504-2**.

## FIELDS OF APPLICATION

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 is required. Suitable for waterproofing of substrates that suffer from contraction-expansion or vibration and show or are expected to show capillary cracks, such as terraces, balconies, above ground water tanks, swimming pools, inverted roofs etc. It can also be used for waterproofing of basements, internally or externally, against humidity or water under pressure.

## CONSUMPTION

Depending on the water effect, minimum consumption and relevant thickness should be as follows:

Water effect	Minimum consumption	Minimum thickness
Moisture	2,0 kg/m <sup>2</sup>	Approx. 1,5 mm
Water without pressure	3,0 kg/m <sup>2</sup>	Approx. 2,0 mm
Water pressure	3,5-4,0 kg/m <sup>2</sup>	Approx. 2,5 mm

COLOR	PACKAGE	PIECE/PALLETE
Grey, White	35 kg (A+B)	54(A) + 54(B)
White	18 kg (A+B)	18(A+B)
White	7 kg (A+B)	48(A+B)



# ISOMAT SL 17

Elastomeric liquid membrane for waterproofing under tiles



### DESCRIPTION

**ISOMAT SL 17** is a ready to use, brushable, solvent-free, elastomeric sealing membrane. After hardening provides a highly elastic membrane which is both waterproof and water-vapor permeable.

EN 1504-2



### FIELDS OF APPLICATION

**ISOMAT SL 17** is ideal for sealing surfaces in humid rooms like bathrooms, showers etc, (without forming seams or joints), before fixing ceramic tiles. It is suitable for all floor or wall surfaces made of concrete, plaster gypsum boards, chip boards etc. Yet, it should not be applied on surfaces subject to permanent water pressure.

### CONSUMPTION

1,0-1,5 kg/m<sup>2</sup>, depending on the substrate.

TECHNICAL DATA	
Color:	grey
Density:	1,58 kg/lit
Minimum application temperature:	+5 <sup>0</sup> C
Drying time:	6 h at +20 <sup>0</sup> C
Walkability:	after 6 h at +20 <sup>0</sup> C
Tile fixing:	approx. after 6 h at +20 <sup>0</sup> C

PACKAGE	PIECE/BOX	PIECE/PALLETE
280 ml	25	1125



## DOMOSIL-MICRO

High performance anti-mould silicone sealant



### DESCRIPTION

**DOMOSIL-MICRO** is a high performance, anti-mould, acetic silicone with built in Microban technology, providing:

- Prevention of mildew and fungi growth.
- Resistance to temperature fluctuations from  $-40^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ .
- Excellent bonding to any kind of building material.
- Great endurance to ageing and water.
- High mechanical resistance.

### FIELDS OF APPLICATION

**DOMOSIL-MICRO** is suitable for sealing joints 3-40mm wide on materials such as glass, aluminium, non-porous ceramics, porcelain (tiles, sanitary products etc). It is applied in high humidity areas (kitchens, bathrooms etc). With normal cleaning practises **DOMOSIL-MICRO** remains stable even after 10 years. It is not recommended for use in aquariums because of the fungicide it contains and cannot be overpainted.

### CONSUMPTION

- Joint 10mm x 10mm: 1 cartridge / 3 m of joint length.
- Joint 5mm x 5mm: 1 cartridge / 12 m of joint length.

PACKAGE	PIECE/BOX	PIECE/PALLETE
280 ml	12	900

## DOMOSIL-POOL

Silicone sealant for permanent water immersion



### DESCRIPTION

**DOMOSIL-POOL** is an acetic silicone for permanent water immersion (swimming pools, aquariums etc), providing:

- High mechanical resistance and deformability.
- Resistance to temperature fluctuations from  $-50^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ .
- Excellent bonding to any kind of building material.
- Great endurance to ageing and water.

### FIELDS OF APPLICATION

**DOMOSIL-POOL** is appropriate for sealing vertical and horizontal joints 3-40mm wide, for indoor and outdoor applications. It has very good adhesion on surfaces such as glass, porcelain (tiles, sanitary products), aluminium etc. Suitable for sealing joints on aquariums, boats, glass-structures etc. It cannot be overpainted.

### CONSUMPTION

- Joint 10mm x 10mm: 1 cartridge / 3 m of joint length.
- Joint 5mm x 5mm: 1 cartridge / 12 m of joint length.

PACKAGE	PIECE/BOX	PIECE/PALLETE
280 ml	25	1125

## PS-20

### Silicone-based solution for waterproofing



#### DESCRIPTION

PS-20 is a transparent, ready-to-use, silicone-based solution with solvents, for the waterproofing of inorganic substrates.

- Offers excellent water-repellence and long time protection.
- It is water-vapor permeable, permitting breathing of the structure.
- Does not form a skin on the application surface and does not alter its appearance.
- Protects the surface from salt stains (rashes) and effects of frost or filth because it prevents absorption of rain water or dirt.
- Suitable for very alkaline substrates.
- Quickly efficient after application.

#### FIELDS OF APPLICATION

PS-20 is applied on various surfaces (natural or synthetic stone, unpainted plaster, exposed masonry, decorative bricks, roof tiles, tiles, exposed concrete etc.) for their protection against rain effect. Also it is suitable for waterproofing of tile joints.

#### CONSUMPTION

0,2-0,4 lit/m<sup>2</sup>, depending on the absorptivity of the substrate.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	24
3 l	4	120
1 l	18	288

## PS-21

### Silicone-based solution without solvents for waterproofing



#### DESCRIPTION

PS-21 is a ready-to-use, silicone-based solution without solvents, for the waterproofing of inorganic substrates.

- It provides excellent water-repellence.
- It is vapor permeable, permitting breathing of the structure.
- Does not form a skin on the application surface and does not alter its appearance.
- Protects the surface from salt stains, effects of frost or filth, because it prevents absorption of rain water or dirt.
- It is suitable for very alkaline substrates.
- It is quickly effective after application.
- Protects from carbonation.
- It is suitable for slightly wet substrates.

#### FIELDS OF APPLICATION

PS-21 is used for the protection of horizontal or vertical surfaces against rain effect and for the waterproofing of tile joints. It is also suitable for the waterproofing of natural stone, plaster, exposed bricks, roof tiles, exposed concrete etc. It can also be applied on unpolished marble surfaces to protect them from water and dirt absorption. It can be used even on slightly wet substrates.

#### CONSUMPTION

0,2-0,4 lit/m<sup>2</sup>, depending on the absorptivity of the substrate.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	39
5 l	4	72
1 l	12	324

## NANOPRO-C

Nano-impregnation for protecting porous surfaces



### DESCRIPTION

Water-based emulsion with high penetrating ability, based on nano-molecular structure. Protects porous surfaces, from moisture and salt stains, while prevents from fungi-mould growth. After it has dried, it is transparent. It does not become yellow due to UV radiation and permits breathing of the structure. It does not form a skin on the application surface and does not alter its appearance.

### FIELDS OF APPLICATION

**NANOPRO-C** is used to protect from moisture and salt stains porous substrates such as surfaces of concrete, masonry, plaster, tile grouts, gypsum boards, chip boards, natural stone etc. Suitable for indoor and outdoor application.

### CONSUMPTION

100-200 ml/m<sup>2</sup>, depending on the absorptivity of the substrate.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	39
5 l	4	72
1 l	12	324

## NANOPRO-L

Nano-impregnation for protecting surfaces from oils



### DESCRIPTION

Water-based emulsion with high penetrating ability, based on nano-molecular structure. Protects porous and slightly porous surfaces (marbles, granites etc.), from oil stains, moisture and salt stains while prevents from fungi-mould growth. If used at the recommended dosage, it does not form skin on the application surface and does not alter the appearance of most surfaces.

### FIELDS OF APPLICATION

**NANOPRO-L** is used to protect from oil stains, moisture and salt stains either non absorptive surfaces such as polished marbles, granites etc. or porous surfaces, such as concrete, masonry, plaster, tile grouts, gypsum boards, chip boards, natural stones etc. Suitable for indoor and outdoor application.

### CONSUMPTION

50-100 ml/m<sup>2</sup>, depending on the absorptivity of the substrate.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	39
5 l	4	72
1 l	12	324

## NANOPRO-M

Nano-impregnation for protecting marbles



### DESCRIPTION

Water-based emulsion with highly penetrating ability based on nano-molecular structure. When applied on unporous surfaces, it seals and protects them from moisture and stains. After it has dried, it is transparent. It does not become yellow due to UV radiation and permits breathing of the structure. It does not form a skin on the application surface and does not alter its appearance.

### FIELDS OF APPLICATION

**NANOPRO-M** is used to protect from stains unporous substrates such as surfaces of polished marbles, granites, tiles, porcelain etc. Suitable for indoor and outdoor application.

### CONSUMPTION

50-70 ml/m<sup>2</sup>, depending on the absorptivity of the substrate.

PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	39
5 l	4	72
1 l	12	324

## CL-GROUT

Cleaner for tile grouts



PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	39
5 l	4	72
0,75 l	12	324

### DESCRIPTION

Special liquid cleaner for tile grouts. **CL-GROUT** cleans deeply. After cleaning the grouts are having their initial color and are not affected.

### FIELDS OF APPLICATION

**CL-GROUT** is used to clean tile grouts from salts, dirt, fungi, stains of coffee, wine etc. Suitable for domestic use and for hospitals, restaurants, industrial areas etc.

### CONSUMPTION

15-20 m<sup>2</sup>/l, depending on kind of stains.

## CL-MARBLE

Cleaner for marbles and granites



PACKAGE	PIECE/BOX	PIECE/PALLETE
20 l	-	39
5 l	4	72
0,75 l	12	324

### DESCRIPTION

Special liquid cleaner for marbles and granites. **CL-MARBLE** removes the stains without affecting the shining of the marbles or granites.

### FIELDS OF APPLICATION

**CL-MARBLE** is used to clean stains of coffee, wine, oils, nicotine, soot and other stains from marbles and granites. It does not contain acids and does not affect the sensitive surfaces.

### CONSUMPTION

15-20 m<sup>2</sup>/l, depending on kind of stains.

## CL-CLEAN

Tile and natural stone cleaner



PACKAGE	PIECE/BOX	PIECE/PALLETE
20 kg	-	39
5 kg	4	72
1 kgj	12	324

### DESCRIPTION

**CL-CLEAN** is a special cleaning liquid based on organic acid, used to clean residues of concrete, cement, plaster, tile grout and salts. It is suitable for cleaning in cases related with potable water or food storage, since it does not leave any residues.

### FIELDS OF APPLICATION

**CL-CLEAN** is used to clean residues of cement, lime or salts, left on ceramic tile, natural stone or unpolished marble surfaces. It is also suitable for cleaning building facades from cement mortar remnants or salts.

### CONSUMPTION

150-200 g/m<sup>2</sup>, depending on the case.

## DUROCRET

Polymer-modified, repairing cement mortar



### DESCRIPTION

**DUROCRET** is a pre-mixed, polymer-modified, cement-based mortar, without corrosive ingredients, suitable for indoor and outdoor applications, offering:

- Abrasion resistance.
- Very good bonding to the substrate.
- Water impermeability.
- Simplification of works.

It is classified as a **PCC R2** type mortar, for concrete repairs, according to **EN 1504-3**.

### FIELDS OF APPLICATION

**DUROCRET** is used for concrete or brickwork repair and patching, groove formation etc. A version in redbrown color is suitable for works on tile roofs (ridgepoles).

### CONSUMPTION

Approx. 15 kg/m<sup>2</sup>/cm of layer thickness.  
To form a groove, 5-6 cm wide: 1,9-2,7 kg/m.

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey,White,Red Brown	25 kg	-	54
Grey,White,Red Brown	5 kg	4	160



## DUROCRET-FAST

Fast-setting, repairing cement mortar



### DESCRIPTION

**DUROCRET-FAST** is a fast setting, fiber reinforced cementitious repairing mortar, enriched with polymers, without corrosion ingredients, for internal and external applications, offering:

- Abrasion resistance.
- Very good adhesion to the substrate.
- Superior workability.
- Simplification of works.

It is classified as type **PCC R2**, repairing cement mortar for concrete, according to **EN 1504-3**.

### FIELDS OF APPLICATION

**DUROCRET-FAST** is suitable for repairs on concrete, cement mortars, masonry, plasters and generally wherever high strength and fast application is necessary. **DUROCRET-FAST** is applied up to 3 cm thickness for large scale applications and up to 5 cm for localized repairs.

### CONSUMPTION

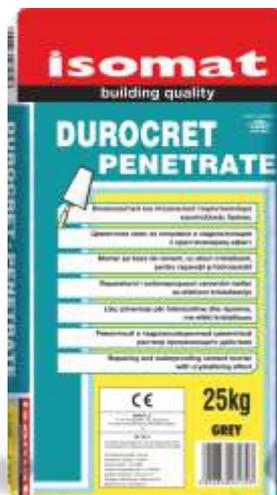
Approx. 17 kg/m<sup>2</sup>/cm of layer thickness.

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54



## DUROCRET-PENETRATE

Repairing and waterproofing cement mortar with crystallizing effect



### DESCRIPTION

**DUROCRET-PENETRATE** is a pre-mixed, cement-based mortar, without corrosive ingredients, suitable for indoor and outdoor applications. It consists of special active chemicals, which in contact with moisture and the present hydroxide of lime, react and form insoluble bonds (crystals). These crystals block the capillary pores and seal the shrinkage cracks inside the concrete, so as to prevent any further water absorption.

It offers:

- High compressive and flexural strength.
- Abrasion resistance.
- Very good bond strength to the substrate.
- Simplification of works.
- Continuous protection of the construction from water presence as it remains permanent active.
- Excellent bond strength to concrete, under both positive and negative water pressure.
- Sealing of hair cracks with width up to 0,4 mm, even if they appear afterwards.
- Protection of the construction from corrosion of the reinforcement steel of concrete.

There is no influence on the waterproofing of construction, in case of damaging the concrete surface or **DUROCRET-PENETRATE**. It does not affect the vapour permeability of concrete. It has a simple and low-cost application.

It is classified as a **CC R2** type mortar, for concrete repairs, according to **EN 1504-3**.

### FIELDS OF APPLICATION

**DUROCRET-PENETRATE** combines two actions in one product, repair and waterproofing. It is used for concrete or brickwork repair and patching, groove formation etc. It is suitable for repairs of basements, foundations, manholes, water tanks, sewage tanks, before the application of the brushable sealing slurry **AQUAMAT-PENETRATE**.

### CONSUMPTION

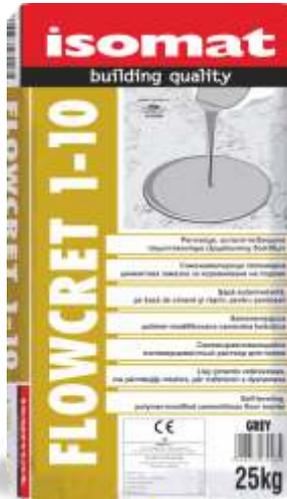
Approx. 17 kg/m<sup>2</sup>/cm of layer thickness.  
To form a groove, 5-6 cm wide: 1,9-2,7 kg/m.

COLOR	PACKAGE	PIECE/BOX	PIECE/PALLETE
Grey	25 kg	-	54



## FLOWCRET 1-10

Self-leveling, polymer-modified cementitious screed



### DESCRIPTION

**FLOWCRET 1-10** is a self-leveling, polymer-modified, cement-based mortar, used for flooring applications. It forms a smooth and durable surface. Suitable for layers 1-10 mm thick.



It is classified as **CT-C40-F10-AR2** according to **EN 13813**.

### FIELDS OF APPLICATION

**FLOWCRET 1-10** is used:

- For preparing smooth and even concrete, mortar or mosaic floors, before laying finishing materials like ceramic tiles, carpets, parquet, vinyl tiles etc.
- As a final floor overlay in basements, attics, warehouses etc.

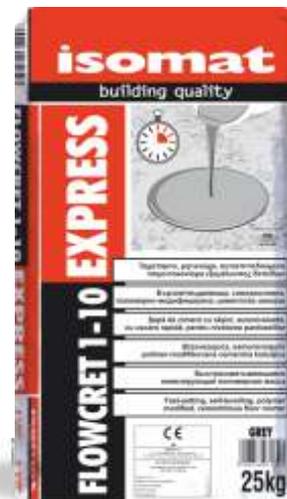
### CONSUMPTION

Approx. 1,65 kg /m<sup>2</sup>/mm of layer thickness.

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54

## FLOWCRET 1-10 EXPRESS

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



### DESCRIPTION

Fast-setting, self-leveling cementitious mortar for leveling floor substrates, enriched with polymer components (resins). It features high mechanical strength, superb adhesion to the substrate, excellent workability, fast-hardening and slightest shrinkage. It provides a smooth, flat and durable final surface, ready to be covered in a very short time with any further finishing layer. Suitable for layers 1-10 mm thick.



It is classified as a screed material **CT-C30-F7-AR4** (grey) and **CT-C30-F7-AR6** (white) according to **EN 13813**.

### FIELDS OF APPLICATION

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 is suitable only for interior use. It may be left as a final topping layer in basements, attics, home storerooms etc. Suitable for leveling floors with underfloor heating systems.

**FLOWCRET 1-10 EXPRESS** may be used as a final layer in residential areas, provided that ISOMAT BI-100 will be applied on its surface to increase the wear resistance, the resistance to detergents and to reduce water absorption. Furthermore, **FLOWCRET 1-10 EXPRESS** (White) can be mixed with pigments based on iron oxides, in order to have a colored final surface.

### CONSUMPTION

Approx. 1,65 kg /m<sup>2</sup>/mm of layer thickness.

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54

## FLOWCRET 3-30 EXPRESS

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



### DESCRIPTION

**FLOWCRET 3-30 EXPRESS** is a fast-setting, self-leveling, polymer-modified compound, used for flooring applications. It forms a smooth and durable surface. Suitable for layers 3-30 mm thick.



It is classified as **CT-C40-F10-AR2** according to **EN 13813**.

### FIELDS OF APPLICATION

- 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.
- As a final floor overlay in basements, attics, warehouses etc.
- Suitable for floors with underfloor heating.
- Ideal for fast applications due to its fast setting property.
- Appropriate for internal applications.

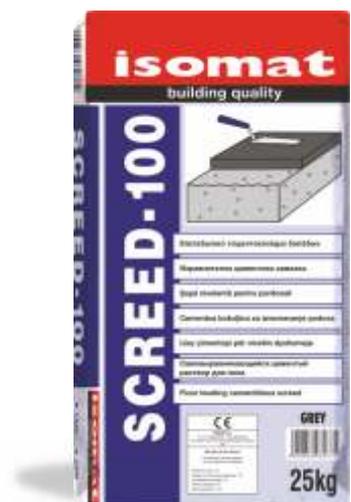
### CONSUMPTION

Approx. 1,65 kg /m<sup>2</sup>/mm of layer thickness.

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54

## SCREED-100

Floor leveling cement mortar



### DESCRIPTION

**SCREED-100** is a pre-mixed cement mortar providing:



- Low weight.
- Satisfactory strength.
- Excellent workability.
- Smooth surface.

It replaces non-reinforced concrete or gas-concrete in indoor or outdoor areas.

Application thickness may be up to 10 cm per layer.

It is classified as **CT-C7-F3-A12** according to **EN 13813**.

### FIELDS OF APPLICATION

- Filling and leveling of floors to be covered with tiles, marble, wood, parquet etc.
- Cement mortar grade for terraces and outdoor areas.

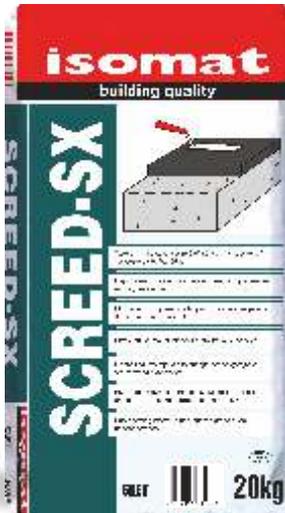
### CONSUMPTION

Approx. 14 kg /m<sup>2</sup>/cm of layer thickness.

COLOR	PACKAGE	PIECE/PALLETE
Grey	25 kg	54

# SCREED-SX

Fast setting cement mortar - binder for floor screeds



## DESCRIPTION

**SCREED-SX** is a fibre-reinforced, fast setting mortar that replaces cement (the binding material) in floor screeds. It consists from special fast setting cements and additives. When mixed with sand and water the cement mortar that is being produced offers the following advantages:



- Fast hardening and high early strengths.
- Long workability time.
- Fast walkability (after approximately 6 hours\*)
- Its contained moisture is reduced fast.
- It offers higher mechanical strength than a screed with normal setting cement.
- Receives covering with tiles after 24 hours, regardless of its thickness.
- It can be used and as a floating screed.
- It can be pumped for faster application.
- Ideal for areas that have to be delivered fast for use.

## FIELDS OF APPLICATION

- Filling and leveling of floors to be covered with tiles, marble, wood, parquet, for floors with underfloor heating system etc. in thickness between 2 and 10 cm.
- Cement mortar grade for terraces and outdoor areas.
- Ideal for areas that have to be covered fast even with parquet, since its contained moisture is reduced faster than a screed with normal setting cement. (Approximately 2-4 days after the application depending on the mixing ratio with sand and water).
- It can be mixed also with perlite in order to produce light weight screeds.

## CONSUMPTION

Approx. 2,0-3,5 kg /m<sup>2</sup>/cm.

COLOR	PACKAGE	PIECE/PALLETE
Grey	20 kg	54



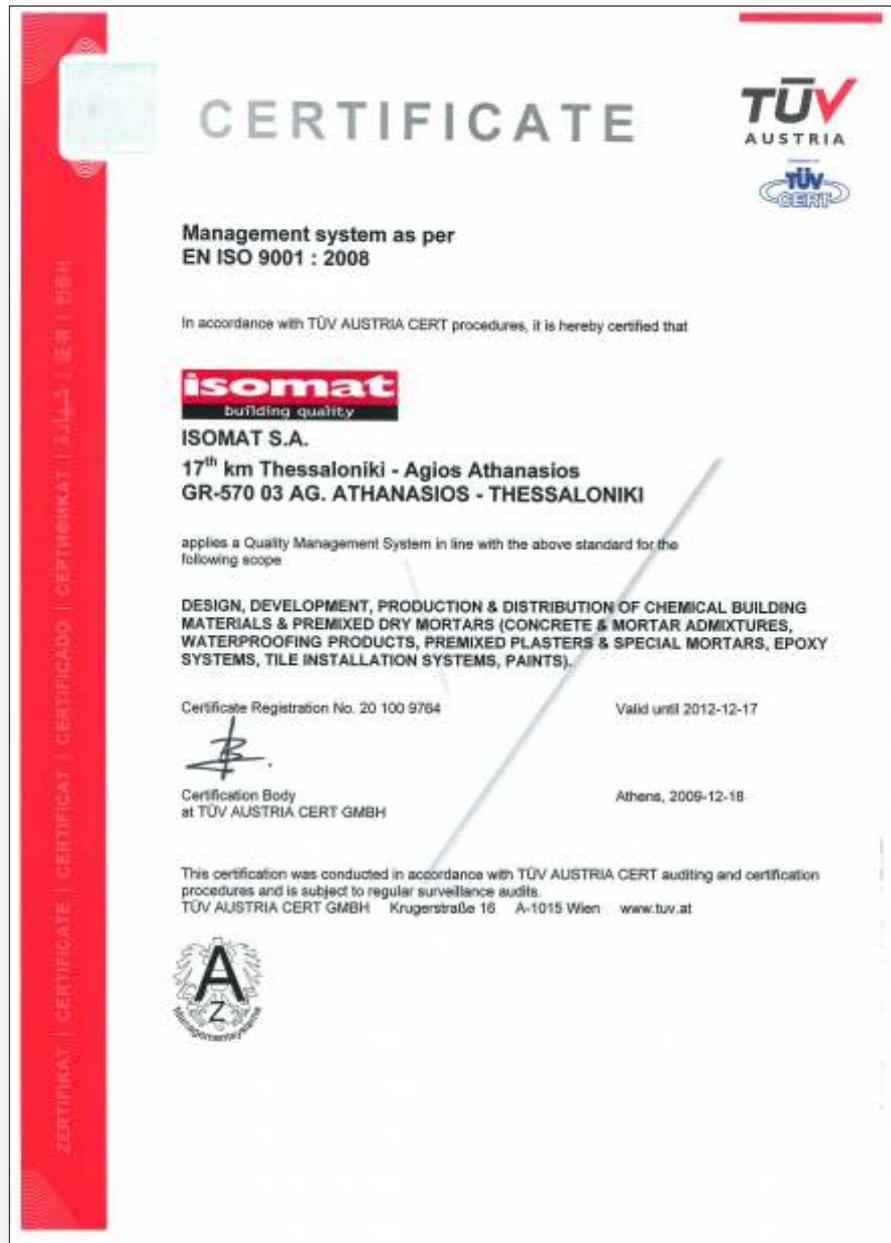
**TILE FIXING INSTALLATION GUIDE**

EXPLANATION OF SYMBOLS	TILE FIXING									
	ISOMAT AK 9	ISOMAT AK 10	ISOMAT AK 11	ISOMAT AK 12	ISOMAT AK 20	ISOMAT AK 22	ISOMAT AK 25	ISOMAT AK-LIGHT	ISOMAT AK-MEGARAPID	ISOMAT AK-ELASTIC
 SUGGESTED SOLUTION										
 ADEQUATE SOLUTION										
 MUST BE PRIMED										
 ADDITION OF 2-3 kg DS-99 PER 25 kg BAG										
<b>WALL</b>										
CEMENT SCREED / PLASTER										
PLASTER GYPSUM	●	●	●	●	●	●	●	●	●	●
GYPSUM BOARD			●	●	●	●	●	●	●	●
CEMENT BOARD (REINFORCED WITH GLASS FIBER)										
OLD LAYER OF TILES										
METAL SURFACE										
WOOD / CHIP BOARD					●	●	●	●	●	●
<b>FLOORS</b>										
CEMENT SCREED										
FLOOR WITH IN-FLOOR HEATING										
MOSAIC										
OLD LAYER OF TILES										
METAL SURFACE										
WOOD / CHIP BOARD					●	●	●	●	●	●
<b>BATHROOM</b>										
CEMENT SCREED / PLASTER										
GYPSUM BOARD				●	●	●	●	●	●	●
<b>OUTDOOR APPLICATIONS</b>										
<b>BALCONIES - TERRACES</b>										
CEMENT SCREED										
MOSAIC										
<b>POOL</b>										
CONCRETE										
CEMENT SCREED										
<b>TILING OF FACADES</b>										
CONCRETE										
PLASTER		●	●	●	●	●	●	●	●	●
<b>FLOOR LAYERS</b>										
CONCRETE										













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