

“STANDARD SOLUTIONS for everyday requirements, SPECIFIC SOLUTIONS for special requirements”

This is our philosophy here at Opera, because we want every one of our products to deliver top results.

Now and in the future.

Our strengths:

- Easy to use: our products are designed to meet all building industry needs quickly and effortlessly.
- A precise goal. Opera products are focused on a clear mission: to find the right balance between the ideas of designers and the needs of our users.
- Constant technical assistance: thanks to the professionalism and availability of our engineering department, we can guarantee our customers prompt and precise assistance both before and after the sale.
- Certification: the entire range of Opera products is certified as EU-compliant.
- Best price/quality ratio: technologically advanced materials at the right price, so that our solutions are always economically attractive and that means both in useful life and costs terms.
- Ongoing research and development: over 30 years of non-stop business in the specialist building industry means we can guarantee our customers constantly evolving techniques and a company that always keeps pace with the market.



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CF Cemenfix

Cement adhesive powder for ceramic tile laying

Form:	White and grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	from 2.5 to 5 kg/m ²

Main features

- One-part
- Excellent workability
- Ultra-white

Storage

CF Cemenfix can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

CF Cemenfix undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use for laying non-absorbent and large-size tiles;
- do not use for laying glass mosaic tiles;
- do not use on heated screeds;
- do not use on prefabricated or cast-in-situ concrete constructions;
- on gypsum or anhydrite and extremely absorbent bases, use **Primer GS** beforehand;
- on powdery bases, apply **Idrorep Indurente** beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- for outdoor laying, mix **CF Cemenfix** with **Isosflex**;
- do not use on surfaces which need to be treadable in a short space of time;
- do not apply to wood, iron or rubber.

Fields of application

CF Cemenfix is suitable for the following:

- indoor and outdoor gluing for ceramic floor and wall tiles;
- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **CF Cemenfix** with clean water, to obtain a smooth, lump-free mixture; do not add other aggregates or hydraulic binders to **CF Cemenfix**. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable toothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. For applications outdoors or in areas subject to particular mechanical strains, the adhesive must be spread over both the base and the back of the tile, to ensure there are no gaps in the layer of glue (double spreading method). The materials applied with **CF Cemenfix** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	23-25% (weight) - i.e. approx 6 l per 25 kg bag
Specific weight of mixture:	1.40 g/cm³
Mixture pH:	over 12
Pot life:	6/8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 20 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 3/6 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	1.00 N/mm²
Adhesion after immersion in water:	0.70 N/mm²
Adhesion after freeze-thaw cycles:	0.90 N/mm²
Adhesion after heat action:	0.60 N/mm²
Resistance to acids and alkalis:	poor
Resistance to damp, solvents, oil, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability:	none
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



PF Premiofix

One-part cement adhesive for ceramic tiles

Form:	White or grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	2.5 - 4 kg/m ²

Main features

- One-part
- Excellent workability
- Frostproof
- Multi-purpose
- Excellent soakability capacity

Storage

PF Premiofix can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

PF Premiofix undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use for laying non-absorbent tiles, such as porcelain stoneware;
- do not use for laying glass mosaic tiles;
- do not use on heated screeds;
- do not use on prefabricated or cast-in-situ concrete constructions;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on surfaces which need to be treadable in a short space of time;
- do not apply to wood, iron or rubber.

Fields of application

PF Premiofix is suitable for the following:

- indoor and outdoor gluing for small, single- or double-fired ceramic floor and wall tiles;
- on standard plastered or cement mortared walls;

- on cement screeds, as long as they are well set and dry.

Preparation:

the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application:

mix PF Premiofix with clean water, to obtain a smooth, lump-free mixture; do not add other aggregates or hydraulic binders to PF Premiofix. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable toothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. For applications outdoors or in areas subject to particular mechanical strains, the adhesive must be spread over both the base and the back of the tile, to ensure there are no gaps in the layer of glue (double spreading method).

The materials applied with PF Premiofix must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	23-25% (weight) - i.e. approx 6 l per 25 kg bag
Specific weight of mixture:	1.40 g/cm³
Mixture pH:	over 12
Pot life:	6/8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 20 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 3/6 hours
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	1.00 N/mm²
Adhesion after immersion in water:	0.70 N/mm²
Adhesion after freeze-thaw cycles:	0.80 N/mm²
Adhesion after heat action:	0.60 N/mm²
Acid resistance:	poor
Resistance to alkalis:	poor
Resistance to damp, solvents, oil, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability according to EN 12002:	none
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



PF Premiofix + Premiostic

Two-part cement adhesive for ceramic and porcelain stoneware tiles

PF Premiofix	
Form:	White or grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	2.5 - 4 kg/m ²
Premiostic	
Form:	White latex
Packs:	25 - 10 kg
Pallet:	450 - 600 kg
Quantities required:	0.7 - 1.10 kg/m ²

Main features

- Two-part
- Excellent workability
- Frostproof
- Multi-purpose
- Excellent soakability capacity
- Highly deformable

Storage

PF Premiofix + Premiostic can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

PF Premiofix + Premiostic undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on cast-in-situ concrete constructions that have been set for less than 3 months;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on surfaces which need to be treadable in a short space of time;
- do not use on metal, PVC or linoleum surfaces;
- do not use on natural stone tiles or reconstituted stone tiles with unstable dimensions.

Fields of application

PF Premiofix + Premiostic are suitable for the following:

- gluing flooring or wall tiling exposed to particular mechanical or thermal stress (outdoor walls, balconies, terraces, areas suitable for motor vehicles);
- on heated screeds;
- laying stable marble, granite, and natural or artificial stone tiles;
- indoor and outdoor gluing for porcelain stoneware,

vitified ceramic, and glass mosaic floor and wall tiles;

- on cast-in-situ concrete constructions that have been set for at least 3 months;
- gluing on top of old flooring, including glazed flooring;
- on cement screeds, as long as they are well set and dry;
- on standard plastered or cement mortared walls.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **PF Premiofix with Premiostic** until you obtain a smooth, lump-free mixture; leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **PF Premiofix + Premiostic**. 6 kg of **Premiostic** is needed for each 25 kg bag of **PF Premiofix**. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed side. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors, in swimming pools or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimming pools, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive (**PF Premiofix + Premiostic**) must be spread over both the base and the back of the tile (double spreading method). Materials applied with **PF Premiofix + Premiostic** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

PREMIOFIX + PREMIOLASTIC	
Hazard classification as per Directive 99/45/EC:	grey: irritant - white/latex: none
Mixing latex:	24-26% (weight) - i.e. approx 6 l per 25 kg bag
Specific weight of mixture:	1.65 g/cm³
Mixture pH:	over 12
Pot life:	8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 25 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 3/6 hours
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm ²)	
Initial adhesion (after 28 days):	2.4 N/mm²
Adhesion after immersion in water:	1.6 N/mm²
Adhesion after freeze-thaw cycles:	1.8 N/mm²
Adhesion after heat action:	2.5 N/mm²
Acid resistance:	poor
Resistance to alkalis:	excellent
Resistance to damp, solvents, oil, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability according to EN 12002	S1 - deformable
Harmonised customs code:	38245090 (PF Premiofix) - 40021100 (Premiostic)

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



N2

Cement adhesive powder for ceramic tile laying

Form: White and grey powder
Packs: 25 kg
Pallet: 1500 kg
Quantities required: da 2.5 a 5 kg/m²

Main features

- One-part
- Frostproof
- Excellent workability

Storage

N2 can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

N2 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force -UNI EN ISO 9001/2000.

Warning

- Do not use for laying non-absorbent tiles, such as porcelain stoneware;
- do not use for laying glass mosaic tiles or suchlike;
- do not use for laying large-size tiles;
- do not use on heated screeds;
- do not use on prefabricated or cast-in-situ concrete constructions;
- do not use for swimming pools or external walls;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on wooden bases or plasterboard walls;
- do not use on metal, rubber, PVC or linoleum surfaces;
- do not use to lay new materials on top of existing materials or on surfaces which need to be treadable in a short space of time.

Fields of application

N2 is suitable for the following:

- indoor and outdoor gluing for any type of tiles, including ceramic mosaic tiles, for floors and walls;
- spot gluing insulating materials such as polystyrene, rock or glass wool, and polyurethane foam;
- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **N2** with clean water, to obtain a smooth, lump-free mixture. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **N2**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed side. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic.

For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive must be spread over both the base and the back of the tile (double spreading method). The materials applied with **N2** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	24-27% of weight approx 6.5 l per 25 kg bag)
Specific weight of mixture:	1.30 g/cm³
Mixture pH:	13
Pot life:	over 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 20 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time:	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	1.30 N/mm²
Adhesion after immersion in water:	1.00 N/mm²
Adhesion after freeze-thaw cycles:	1.00 N/mm²
Adhesion after heat action:	0.90 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability:	none
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



S1 Fibrorinforzato

Cement adhesive powder for laying absorbent ceramic and porcelain stoneware tiles

Form:	White and grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	2.5 - 4 kg/m ²

Main features

- Flexible
- Frostproof
- Thixotropic
- Longer open time
- Excellent workability

Storage

S1 Fibrorinforzato can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

S1 Fibrorinforzato undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use for laying non-absorbent and large-size tiles outdoors;
- do not use for laying glass mosaic tiles or suchlike;
- do not use on prefabricated or cast-in-situ concrete constructions;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on wooden bases or plasterboard walls;
- do not use on metal, rubber, PVC or linoleum surfaces;
- do not use on surfaces which need to be treadable in a short space of time.

Fields of application

S1 Fibrorinforzato is suitable for the following:

- indoor and outdoor gluing for any type of tiles, including ceramic mosaic tiles, single- and double-fired, for floors and walls;
- gluing large-size materials;
- gluing porcelain stoneware;
- spot gluing insulating materials such as polystyrene, rock or glass wool, and polyurethane foam, on walls, etc.;
- on cement screeds, as long as they are well set and dry;
- gluing on heated screeds, with ceramics tiles measuring less than 900 cm²;
- gluing new ceramics tiles measuring less than 900 cm² over existing materials.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **S1 Fibrorinforzato** with clean water, to obtain a smooth, lump-free paste. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **S1 Fibrorinforzato**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable toothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying, and 100% for laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains, the adhesive (**S1 Fibrorinforzato**) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **S1 Fibrorinforzato** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	26-28% (weight) - i.e. approx 6.5 l per 25 kg bag
Specific weight of mixture:	1.50 g/cm³
Mixture pH:	over 12
Pot life:	6/8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 30 minutes
Handling time:	approx. 60 minutes
Joint sealing completion time on walls:	3/6 hours depending on absorbency
Joint sealing completion time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days

FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)

Initial adhesion (after 28 days):	1.40 N/mm²
Adhesion after immersion in water:	1.00 N/mm²
Adhesion after freeze-thaw cycles:	1.40 N/mm²
Adhesion after heat action:	1.30 N/mm²
Resistance to acids and alkalis:	poor
Resistance to damp, solvents, oil, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability:	none
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Mixed with Isoflex



S9 Ultrawhite

Ultra-white cement adhesive powder, ideal for laying glass mosaic tiles

Form:	white powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	2.5 - 4 kg/m ²

Main features

- Flexible
- Highly thixotropic
- Excellent workability
- Frostproof
- Longer open time
- Ultra-white

Storage

S9 Ultrawhite can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

S9 Ultrawhite undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- For non-absorbent bases, use **S9 Ultrawhite** mixed with **Isoflex** (ratio = 1:1).
- when gluing ceramic tiles onto plaster in swimming pools, tiles must be no larger than 20 x 20;
- before use on prefabricated or cast-in-situ concrete constructions, smooth surface;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on metal, rubber, PVC or linoleum surfaces;
- do not use on surfaces which need to be treadable in a short space of time.

Fields of application

S9 Ultrawhite is suitable for the following:

- gluing glass and ceramic mosaic tiles;
- gluing mosaic tiles in swimming pools (mix with **Isoflex**; ratio 1:1 with water);
- gluing onto standard plastered or cement mortared bases;

- on cement screeds, as long as they are well set and dry;
- gluing onto cementitious waterproofing membranes, such as **Scudo** (mix **S9 Ultrawhite** with **Isoflex**, ratio 1:1 with water).

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **S9 Ultrawhite** with clean water, to obtain a smooth, lump-free mixture. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **S9 Ultrawhite**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying, and 100% for laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains, the adhesive (**S9 Ultrawhite**) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **S9 Ultrawhite** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days. Baths and swimming pools must not be filled until 21 days after application.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	none
Mixing water:	35-37% of weight (approx. 9 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm ³
Mixture pH:	over 12
Pot life:	approx. 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	30 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	1.50 N/mm ²
Adhesion after immersion in water:	1.30 N/mm ²
Adhesion after freeze-thaw cycles:	1.40 N/mm ²
Adhesion after heat action:	1,40 N/mm ²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
(S9 ULTRAWHITE + ISOFLEX: ratio = 1:1 with water)	
Deformability according to EN 12002:	S1 - deformable
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



RT Universal

Cement adhesive powder for laying absorbent, porcelain stoneware, marble and natural stone tiles. Ideal for laying new materials over existing materials and for underfloor heating systems.

RT Universal

Form: White and grey powder
Packs: 25 kg
Pallet: 1500 kg
Quantities required: 2.5 - 4 kg/m²

RT Universal Export

Form: Grey powder
Packs: 25 kg
Pallet: 1050 kg
Quantities required: 2.5 - 4 kg/m²

Main features

- One-part
- Excellent workability
- Frostproof
- Thixotropic
- Flexible
- Longer open time
- Thicknesses of up to 10 mm

Storage

RT Universal can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

RT Universal undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on cast-in-situ concrete constructions that have been set for less than 3 months;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use where an adhesive layer over 10 mm thick is necessary;
- do not use on surfaces which need to be treadable in a short space of time;
- do not use on metal, PVC, linoleum, or wooden surfaces.

Fields of application

RT Universal is suitable for the following:

- indoor and outdoor gluing for porcelain stoneware, vitreous ceramic, or any type of tiles or mosaics (including non-absorbent ones), for floors and walls;
- gluing on top of old flooring, including glazed flooring;
- on heated screeds;
- gluing flooring or wall tiling exposed to mechanical or thermal stress (outdoor walls, balconies, terraces, areas suitable for motor vehicles);
- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry;
- spot gluing insulating materials such as polystyrene, rock or glass wool, and polyurethane foam, etc.;
- gluing small-size ceramic tiles in swimming pools;
- gluing onto waterproofing mortars such as **Scudo** or **Sanigum**;
- gluing onto plasterboard panels.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **RT Universal** with clean water, to obtain a smooth, lump-free mixture. Do not add other aggregates or hydraulic binders to **RT Universal**. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive (**RT Universal**) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **RT Universal** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	30-32% of weight approx. 8 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm ³
Mixture pH:	over 12
Pot life:	over 8 hours
Application temperature:	from +5°C to +40°C
Open time (according to EN 1346):	30 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	1.80 N/mm ²
Adhesion after immersion in water:	1.10 N/mm ²
Adhesion after freeze-thaw cycles:	1.30 N/mm ²
Adhesion after heat action:	1.70 N/mm ²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



RT 6/15

Cement adhesive powder for thicknesses ranging from 6 to 15 mm. Particularly recommended for large-size porcelain stoneware and natural stoneware tiles

Form:	grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	5 - 12 kg/m ²

Main features

- One-part
- Frostproof
- Thicknesses of up to 15 mm
- High workability
- High compression resistance
- Thixotropic
- Deformable

Storage

RT 6/15 can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

RT 6/15 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on concrete constructions that have been set for less than 3 months;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use on surfaces which need to be treadable in a short space of time;
- do not use on wooden, metal, rubber, PVC or linoleum surfaces;
- do not use with marbles with unstable dimensions in a damp environment.

Fields of application

RT 6/15 is suitable for the following:

- applications where a bed of glue up to 15 mm thick is needed;
- gluing particular ceramic articles (steps, wall trims, seats, special items in general);
- indoor and outdoor gluing for porcelain stoneware, vitreous ceramic, or any type of tile or mosaics (including non-absorbent ones), for floors and walls;
- gluing on top of old flooring, including glazed flooring;
- gluing flooring or wall tiling exposed to mechanical or thermal stress (balconies, terraces, areas suitable for motor vehicles);
- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry;
- on heated screeds.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well-set. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix RT 6/15 with clean water, to obtain a smooth, lump-free mixture. Do not add other aggregates or hydraulic binders to RT 6/15. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, paving/flooring subject to heavy loads, materials with uneven thicknesses), the adhesive must be spread over both the base and the back of the tile (double spreading method). The materials applied with RT 6/15 must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	27-29% of weight approx. 7.5 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm ³
Mixture pH:	over 12
Pot life:	over 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	>30 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	2.60 N/mm ²
Adhesion after immersion in water:	1.20 N/mm ²
Adhesion after freeze-thaw cycles:	1.30 N/mm ²
Adhesion after heat action:	2.50 N/mm ²
Acid resistance:	poor
Resistance to alkalis:	excellent
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability according to EN 12002:	S1- deformable
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



RT Rapid

Fast-setting cement adhesive powder, suitable for laying new materials on top of existing materials and porcelain stoneware tiles

Form: White and grey powder
Packs: 25 kg
Pallet: 1500 kg
Quantities required: 2.5 - 5 kg/m²

Main features

- One-part
- Fast-setting
- Thixotropic
- Excellent workability
- Frostproof
- Flexible

Storage

RT Rapid can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

RT Rapid undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use on concrete constructions that have been set for less than 3 months;
- do not use on wooden, metal, rubber, PVC, linoleum, or asbestos cement surfaces;
- do not use where an adhesive layer over 5 mm thick is necessary.

Fields of application

RT Rapid is suitable for the following:

- fast laying in areas which need to be useable in a very short space of time (public facilities, repair and reconstruction jobs);
- indoor and outdoor gluing for porcelain stoneware, vitreous ceramic, natural stone and dark reconstituted stone or any type of tile or mosaics (including non-absorbent ones), for floors and walls;
- gluing on top of old flooring, including glazed flooring;
- gluing flooring or wall tiling exposed to mechanical or thermal stress (external walls, balconies, terr-

aces, areas suitable for motor vehicles);

- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry;
- on heated screeds;
- spot gluing insulating materials such as polystyrene, rock or glass wool, and polyurethane foam, etc.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **RT Rapid** with clean water, to obtain a smooth, lump-free mixture. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **RT Rapid**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimming pools, external walls, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive (**RT Rapid**) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **RT Rapid** must be protected from the rain during the 8 hours following laying and must not be exposed to freezing temperatures for the first 2 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	28-29% of weight approx. 7 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm³
Mixture pH:	approx. 11
Pot life:	30 minutes
Application temperature:	from +5°C to +30°C
Open time (according to EN 1346):	15 - 20 minutes
Joint sealant hardening time on walls:	approx. 2/3 hours (depending on the absorption)
Joint sealant hardening time on floors:	2/3 hours
Walk-over time	2/4 hours
Ready for use:	24 hours (3 days for swimming pools)

FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)

Initial adhesion (after 28 days):	2.00 N/mm²
Adhesion after immersion in water:	1.20 N/mm²
Adhesion after freeze-thaw cycles:	1.30 N/mm²
Adhesion after heat action:	1.80 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



SPM Universal

Medium-fast-setting cement adhesive powder for laying natural stone tiles subject to staining, including large-size tiles

Form:	White and grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required:	2.5 - 4 kg/m ²

Main features

- Frostproof
- One-part
- Medium-fast-setting
- Highly thixotropic
- Flexible

Storage

SPM Universal can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

SPM Universal undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use with natural or reconstituted marbles with unstable dimensions in a damp environment.
- use white **SPM Universal** only for light coloured marble or stone materials;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use on metal, PVC, linoleum, or wooden surfaces;
- do not use on concrete constructions that have been set for less than 3 months;
- do not use where an adhesive layer over 5 mm thick is necessary.

Fields of application

SPM Universal is suitable for the following:

- laying marble, granite, and natural or artificial stone tiles, which are stable but subject to staining;
- indoor and outdoor gluing for porcelain stoneware, vitrified ceramic, stone or any type of tiles and glass mosaics for floors and walls;
- gluing on top of old flooring, including glazed flooring;
- gluing flooring or wall tiling exposed to mechanical or thermal stress (balconies, terraces, motor traffic

areas, areas exposed to freezing/thawing);

- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry;
- on heated screeds;
- spot gluing insulating materials such as polystyrene, rock or glass wool, and polyurethane foam, etc.;
- as a smoothing coat for thermal wall cladding.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **SPM Universal** with clean water, to obtain a smooth, lump-free paste. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **SPM Universal**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying, and 100% for laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive (**SPM Universal**) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **SPM Universal** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white: none
Mixing water:	30-32% of weight approx. 7.5 l per 25 kg bag)
Specific weight of mixture:	1.50 g/cm ³
Mixture pH:	over 12
Pot life:	over 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	> 30 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time:	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	1.90 N/mm ²
Adhesion after immersion in water:	1.40 N/mm ²
Adhesion after freeze-thaw cycles:	1.40 N/mm ²
Adhesion after heat action:	1.80 N/mm ²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



SPM Gips

Cement adhesive powder with high sulphate-resistance

Form: white powder
Packs: 25 kg
Pallet: 1050 kg
Quantities required: 3 - 5 kg/m²

Main features

- One-part
- Longer open time
- Excellent workability
- Directly applicable to gypsum
- Ultra-white

Storage

SPM Gips can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

SPM Gips undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on wood, paint, metal, PVC and linoleum;
- do not use on concrete constructions that have been set for less than 3 months;
- do not use where an adhesive layer over 5 mm thick is necessary;
- do not use on surfaces which need to be treadable in a short space of time.

Fields of application

SPM Gips is suitable for the following:

- indoor and outdoor gluing on to cement screeds, porcelain stoneware, vitreous ceramic tiles, and mosaics (including non-absorbent ones), for floors and walls;
- on heated screeds;
- on standard plastered or cement mortared walls;
- on cement screeds, as long as they are well set and dry;
- on gypsum-based plaster/render;
- on cement-based plaster/render;
- on anhydrite screeds;
- on plasterboard.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. Gypsum-based plaster/render must have a residual humidity of $\leq 1\%$ and anhydrite screeds of $\leq 0.5\%$, measured with a carbide moisture meter.

Application: mix **SPM Gips** with clean water, to obtain a smooth, lump-free mixture. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **SPM Gips**. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors or in areas subject to heavy traffic. The materials applied with **SPM Gips** must be protected from the rain during the 24 hours following laying and must not be exposed to freezing temperatures for the first 5 days.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	none
Mixing water:	30-32% of weight (approx. 8 l of water per bag)
Specific weight of mixture:	1.50 g/cm³
Mixture pH:	over 12
Pot life:	over 8 hours
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	> 30 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours (depending on the absorption)
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)	
Initial adhesion (after 28 days):	2.10 N/mm²
Adhesion after immersion in water:	1.30 N/mm²
Adhesion after freeze-thaw cycles:	1.30 N/mm²
Adhesion after heat action:	1.50 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



SPM Autobagnante

Fast-setting, self-wetting cement adhesive powder for porcelain stoneware and stoneware

Form:	grey powder
Packs:	25 kg
Pallet:	1500 kg
Quantities required for laying:	3 -10 kg/m ² depending on the size
Quantities required for smoothing:	1.4 kg/m ² per mm thick

Main features

- One-part
- Frostproof
- Fast-setting
- Thick application
- Self-wetting

Storage

SPM Autobagnante can be kept for up to 12 months if stored in a dry place and in its original packaging

Quality and Environmental Standards

SPM Autobagnante undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on wooden bases or particle board;
- do not use on metal, PVC, rubber, or linoleum surfaces;
- do not use on vertical surfaces;
- do not use on natural stone tiles or unstable reconstituted stone tiles in damp environments;
- on gypsum or anhydrite bases, use **Primer GS** beforehand.

Fields of application

SPM Autobagnante is suitable for the following:

- gluing flooring/paving made of porcelain stoneware (including large size tiles), ceramic, klinker, marble, and stone material;
- gluing on top of old flooring;
- on heated screeds;

- gluing flooring onto bases subject to strong mechanical strains (intense or heavy traffic);
- for smoothing out cement and concrete bases.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **SPM Autobagnante** with clean water, to obtain a smooth, lump-free mixture. Leave the mix to rest for 5 minutes, and then mix again for a short while before application. Do not add other aggregates or hydraulic binders to **SPM Autobagnante** and if the mixture is already hardening, do not attempt to restore workability by adding water. The mixture remains workable for approx. 45 minutes in standard conditions. Spread the mixture over the base. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering it by 100%. The materials applied with **SPM Autobagnante** must be protected from the rain during the 5 hours following laying and must not be exposed to freezing temperatures or strong sunlight for at least 24 hours.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant
Mixing water:	20-22% of weight (approx. 5.5 l of water per bag)
Specific weight of mixture:	1.70 g/cm³
Mixture pH:	over 12
Pot life:	approx. 60 minutes
Application temperature:	from +5°C to +35°C
Open time:	20 minutes
Handling time:	approx. 30 minutes
Joint sealant hardening time on floors:	approx. 4 hours
Walk-over time	4 hours
Ready for use:	approx. 1 day

FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)

Initial adhesion (after 28 days):	2.00 N/mm²
Adhesion after immersion in water:	1.30 N/mm²
Adhesion after freeze-thaw cycles:	1.20 N/mm²
Adhesion after heat action:	1.90 N/mm²
Compression resistance:	13.0 N/mm²
Bending resistance:	5.00 N/mm²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from - 30°C to +90°C
Harmonised customs code:	38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Aquaria

Highly-deformable fast-setting two-part cement adhesive for floor and wall tiles. Particularly recommended for marble types subject to staining, all kinds of ceramic and reconstituted stone tiles. Suitable for laying on external walls and swimming pools

Form:	part A: grey and white powder part B: white latex
Packs:	25 kg (grey) or 24 kg (white) +6.25 kg
Pallet:	1875 kg - grey 1815 kg - white
Quantities required:	2.5-5 kg/m ²

Main features

- Two-part
- Fast-setting
- Highly thixotropic
- Frostproof
- Highly deformable: S2 (EN 12002);
- Ultra-white

Storage

Aquaria can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Aquaria undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use with marble and reconstituted stone materials with unstable dimensions in a damp environment;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not apply to metal, PVC, rubber, or linoleum surfaces;
- do not use where an adhesive layer over 5 mm thick is necessary.

Fields of application

Aquaria is suitable for the following:

- for laying in areas subject to considerable mechanical strains and vibrations;
- gluing flooring or wall tiles which will be either totally immersed in water or exposed to considerable dampness or frequent contact with water (swimming pools, saunas, spas, industrial tanks, external walls, etc.);
- laying marble materials which are stable in damp environments but subject to staining, as well as granite and natural or artificial stone tiles;
- indoor and outdoor gluing for porcelain stoneware, vitrified ceramic, and glass mosaic floor and wall tiles of any size;
- on cast-in-situ concrete constructions, as long as they are well set;
- gluing on top of old flooring, including glazed flooring;
- on heated cement screeds;
- on substrates waterproofed with **Scudo** or **Sani-gum**.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix the **Aquaria** powder (part A) , with the latex (part B). To obtain a smooth mix, pour the latex into the container first and then mix in the powder until a lump-free paste forms. One 6.25 kg drum of latex is needed for each 25 kg bag of powder of grey **Aquaria** or 24 kg bag of white **Aquaria**. Do not add other aggregates or hydraulic binders to **Aquaria** and if the mixture is already hardening, do not attempt to restore workability by adding water or admixture. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable toothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors, in swimming pools or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimming pools, external walls, flooring that needs to be polished once laid), the adhesive (**Aquaria**) must be spread over both the base and the back of the tile to ensure there are no gaps in the layer of glue (double spreading method). The materials applied with **Aquaria** must be protected from the rain during the 6 hours following laying and must not be exposed to freezing temperatures or strong sunlight for at least 24h hours.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	grey: irritant - white/latex: none
Mixing ratio:	1 bag Aquaria/1 can Aquaria Part B
Specific weight of mixture:	1.60 g/cm³
Pot life:	60-70 minutes
Application temperature:	from +5°C to +30°C
Open time (according to EN 1346):	20 minutes
Setting time:	approx. 2 hours
Joint sealant hardening time on walls:	approx. 3 hours
Joint sealant hardening time on floors:	approx. 3 hours
Walk-over time:	3 - 4 hours
Ready for use:	24 hours (5 days for swimming pools)

FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²)

Initial adhesion (after 28 days):	2.50 N/mm²
Adhesion after immersion in water:	1.30 N/mm²
Adhesion after freeze-thaw cycles:	1.60 N/mm²
Adhesion after heat action:	2.20 N/mm²
Deformability according to EN 12002:	S2 - highly deformable
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from - 30°C to +90°C
Harmonised customs code:	38245090 (powder) - 39069000 (latex)

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Form:	white latex
Packs:	25 - 5 kg
Pallet:	500 - 450 kg
Quantities required:	1.5 - 2 kg/m ² with Isoflex only

Main features

Mixed with **CF Cemenfix**, **N2**, **S1 Fibrinforzato**, **S9 Ultrawhite**:

- Better adhesion
- Better elasticity
- Increased mechanical resistance
- Increased water repellence

Storage

Isoflex can be kept for up to 24 months if stored in its original packaging, in temperatures no lower than +5°C and away from direct sunlight.

Quality and Environmental Standards

Isoflex undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Do not use on marble or reconstituted stone tiles which are unstable in damp environments;
- do not use on marble or stone materials subject to efflorescence;
- do not use for areas which need to be ready for use in a very short space of time;
- on gypsum or anhydrite bases, use **Primer GS** beforehand;
- do not use on wooden, metal, rubber, PVC or linoleum surfaces;
- bear in mind that the open time is shorter than the adhesive would have if it were not mixed with **Isoflex**.

Isoflex

Elasticising polymer in aqueous dispersion for cement adhesives

Fields of application

Isoflex mixed with prescribed adhesives is suitable for the following:

- indoor and outdoor gluing for any type of ceramic tiles: single- and double-fired, porcelain stoneware, vitrified ceramic, and glass mosaic, for floors and walls;
- laying marble, granite, and natural or artificial stone tiles which are stable in damp environments;

- laying large size tiles;
- gluing flooring or wall tiling exposed to mechanical or thermal stress (external walls, balconies, terraces, motor traffic areas, areas exposed to freezing/thawing);
- laying on heated screeds;
- gluing on top of old flooring, including glazed flooring;
- on cast-in-situ concrete constructions that have been set for at least 3 months.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: the **Isoflex** + water mixing ratio is decided according to the anchorage difficulty of the materials to lay or the degree of elasticity required of the adhesive. When a highly deformable adhesive is required (class S2 according to EN 12002), the mixing water must be replaced completely by **Isoflex**. In this case, approx. 8 kg of **Isoflex** is needed per 25 kg of **CF Cemenfix**; 8.5 kg of **Isoflex** per 25 kg of adhesive **N2**; 7.5 kg of **Isoflex** per 25 kg of adhesive **S1 Fibrinforzato** and **S9 Ultrawhite**. When you need to improve anchorage and the fair degree of elasticity offered by the adhesive is enough for the job in hand (adhesive deformability class: S1 according to EN 12002), **Isoflex** can be diluted with water, applying a ratio of 1:1 or 1:2. In these cases, to ensure correct mixing, it is advisable to mix the **Isoflex**/water solution first and then pour the adhesive powder into the solution. Mix with a mechanical mixer until a smooth, lump-free paste is obtained. Leave to rest for a few minutes and then remix. The mortar is now ready for application. Do not add other aggregates or hydraulic binders to the adhesive and if the mixture is already hardening, do not attempt to restore workability by adding water. Spread the mixture over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying, and 100% for laying outdoors or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimming pools, external walls, paving/flooring subject to heavy loads, flooring that needs to be polished once laid), the adhesive (with **Isoflex** added) must be spread over both the base and the back of the tile (double spreading method). The materials applied with **Isoflex** must be protected from the rain during the 6 hours following laying and must not be exposed to freezing temperatures or strong sunlight for at least 24 hours.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	none
Specific weight of mixture:	1.5 g/cm ³ (with N2)
Mixture pH:	13
Pot life:	over 8 hours
Application temperature:	from +5°C to +40°C
Open time (according to EN 1346):	approx. 20-30 minutes
Handling time:	approx. 45 minutes
Joint sealant hardening time on walls:	approx. 4/8 hours
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	24 hours
Ready for use:	approx. 14 days
Baths and swimming pools ready for use:	4 weeks for filling
FINAL PERFORMANCE SPECIFICATIONS EN 1348 (N/mm²) N2 + ISOFLEX	
Initial adhesion (after 28 days):	2.40 N/mm ²
Adhesion after immersion in water:	1.65 N/mm ²
Adhesion after freeze-thaw cycles:	1.80 N/mm ²
Adhesion after heat action:	2.50 N/mm ²
Acid resistance:	poor
Resistance to damp, solvents, oil, alkalis, and ageing:	excellent
Temperature resistance:	from -30°C to +90°C
Deformability according to EN 12002:	S2 - highly deformable
Harmonised customs code:	39069000

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



CK6

Ready-to-use elastic adhesive paste for laying ceramic tiles indoors

Form:	white paste
Packs:	25 - 15 - 5 kg
Pallet:	675 - 720 - 320 kg
Quantities required:	1.5 - 2.5 kg/m ²

Main features

- Ready for use
- Longer open time
- Thixotropic
- Excellent workability
- Excellent elasticity

Storage

CK6 can be kept for up to 24 months if stored in its original packaging in temperatures no lower than +5°. Keep away from direct sunlight.

Quality and Environmental Standards

CK6 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- do not use for laying tiles outdoors;
- do not use for laying in areas which will be totally immersed in water;
- do not use for laying non-absorbent materials on non-absorbent bases;
- do not use on bases subject to rising damp;
- do not use for laying natural or artificial stone tiles which are damp-sensitive;
- do not use in temperatures below +5°C.

Fields of application

CK6 is suitable for the following:

- indoor gluing for any type of ceramic, glass mosaic or similar tiles, for floors or walls on any kind of base; it is essential that one of the two surfaces in contact with the adhesive is absorbent (e.g. glass mosaics on plaster);
- laying in built-in bathrooms and kitchens, including on wooden, absorbent and non-deformable bases;
- spot gluing insulating materials such as polystyrene, rock or glass wool, and polyurethane foam, etc.;
- on standard plastered or cement mortared walls, on wood, chipboard, plasterboard, prefabricated or cast-in-situ concrete;
- on cement screeds, as long as they are well set and dry;
- on gypsum-based plaster/render which is dry and does not require priming;
- gluing false ceilings made of polystyrene and polyurethane foam, as well as gypsum rosettes.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand. When the temperature is above +25°C, we recommend you dampen laying bases with low absorbency beforehand to prevent non-standard drying of the adhesive.

Application: mix **CK6** for a short while before use. If the mixture is already hardening, do not attempt to restore workability by adding water. Spread the adhesive over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable toothing to ensure the glue adheres to the back of the tiles, covering at least 70% of the surface area.

The open time of adhesive **CK6** (time during which the surface film forms before spreading) is also much shorter in unfavourable laying conditions, e.g. very absorbent base, windiness, high temperature. We recommend you proceed with the glue spreading by working in small enough areas to be able to lay the tiles before the end of the open time. If you are unable to do so, re-spread the adhesive on which the surface film has already formed. Check, from time to time, that the contact between the adhesive and the tile is even and covers the entire back of the tile. The materials applied with **CK6** must be protected from being washed off during the first 10 days

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	none
Specific weight :	1.60 g/cm ³
Mixture pH:	8
Application temperature:	from +5°C to +35°C
Open time (according to EN 1346):	approx. 40 minutes
Handling time:	approx. 60 minutes
Joint sealant hardening time on walls:	approx. 24 hours
Joint sealant hardening time on floors:	approx. 24 hours
Walk-over time	approx. 24 hours
Ready for use:	approx. 14 days
FINAL PERFORMANCE SPECIFICATIONS EN 1324 (N/mm²)	
Adhesion after ageing through heat:	4.00 N/mm ²
Initial adhesion:	1.90 N/mm ²
Acid resistance:	poor
Resistance to solvents, oils, and alkalis:	slight
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	35069100

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Fugapox

Acid-resistant two-part epoxy adhesive for indoors and out.

Form:	part A: white and grey paste Part B: pale yellow liquid
Packs:	10 - 3 kg
Pallet:	480 - 180 kg
Quantities required:	3 - 5 kg/m ²

Main features

- Two-part
- Waterproof and acid-resistant
- Thixotropic
- Excellent adhesion to any base
- High mechanical resistance

Storage

Fugapox can be kept for up to 24 months if stored in its original packaging in temperatures no lower than +5°. Keep away from direct sunlight.

Quality and Environmental Standards

Fugapox undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Clean the surfaces of the material completely before the Fugapox hardens. Once set, it is extremely difficult to clean off;
- working in high temperatures or on surfaces exposed to direct sunlight reduces the product's workability time considerably;
- bear in mind that temperatures below +12°C can also lengthen the setting time considerably and workability may be reduced due to the hardness of the mixture;
- prolonged contact with acids and oxidants could lead to colour changes;
- wait until the product is fully hardened before exposing to chemicals.

Fields of application

Fugapox is suitable for the following:

- as an adhesive for laying, marble, natural stone or reconstituted resin tiles with unstable dimensions in damp environments;
- as an adhesive for any ceramic material, regardless of the size, on any kind of base, as long as it is rigid (cement, metal, plastic, etc.);
- gluing prefabricated concrete elements.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well-set. Provide the laying surface with protection from direct sunlight beforehand. Metal bases must be rust-free; therefore, any rust must be completely removed by bushing or sanding.

Application: the two parts of **Fugapox** are already measured out (9.4 kg part A and 0.6 kg part B). Pour part B (accelerator) into the pot containing part A and mix with a mechanical mixer at low speed (max. 150 rpm, to prevent too much air being mixed in) until the parts are perfectly blended. If the mixture is already hardening, do not attempt to restore workability by adding solvents. The mixture consistency and hardening time depend on the temperature (ideal temperature: +23°C). Spread the adhesive over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors, in swimming pools, or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimming pools, external walls, flooring that needs to be polished once laid), the adhesive (**Fugapox**) must be spread over both the base and the back of the tile to ensure there are no gaps in the layer of glue (double spreading method). If you are using **Fugapox** as a waterproofing coat, apply in two stages, the first as a smoothing coat (1 mm thick), followed by the second, 24 hours later, with an appropriate toothed trowel for the material to lay.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant (part A) corrosive (part B)
Mixing ratio:	part A: part B = 9.4 : 0.6
Specific weight of mixture:	1.53 g/cm ³
Brookfield viscosity (mPa.s):	800,000 (# F-rpm 2.5)
Pot life:	approx. 45 minutes
Application temperature:	from +10°C to +30°C
Open time (according to EN 1346):	approx. 45 minutes
Handling time:	approx. 2 hours
Joint sealant hardening time on walls:	12 hours
Joint sealant hardening time on floors:	approx. 12 hours
Walk-over time	12 hours
Ready for use:	approx. 3 days
FINAL PERFORMANCE SPECIFICATIONS EN 12003 (cutting resistance - N/mm²)	
Initial adhesion:	13.0 N/mm ²
Adhesion after immersion in water:	15.5 N/mm ²
Adhesion after thermal shock:	2.3 N/mm ²
Resistance to acids and alkalis:	excellent
Temperature resistance:	from -20° to +140°C
Deformability:	none
Harmonised customs code:	35069100

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Chemical resistance of ceramic wall tiling laid with Fugapox

GROUP	NAME	CONC.	CONTINUOUS USE AT 20°C	INTERMITTENT USE 20°C
ACIDS	Acetic	2.5%	+	+
		5%	(+)	+
		10%	-	-
	Hydrochloric	37%	(+)	+
		Chromic	20%	-
	Citric	10%	-	-
		Formic	2.5%	+
	10%		-	-
	Lactic	2.5%	+	+
		5%	(+)	+
		10%	-	(+)
	Nitric	25%	(+)	+
		50%	-	-
	Oleic		-	-
	Phosphoric	50%	(+)	+
75%		-	-	
Sulphuric	1.5%	+	+	
	50%	(+)	+	
	98%	-	-	
Tannic	10%	(+)	+	
	Tartaric	10%	+	+
Oxalic	10%	+	+	
	ALKALIS, SATURATED SOLUTIONS	Ammonia	25%	+
Caustic Soda		50%	+	+
Caustic Potash		50%	+	+
Sodium Hypochlorite				
Active Chlorine		6.5 g/l	(+)	+
Active Chlorine	162 g/l	-	-	
SATURATED SOLUTIONS	Sodium hyposulphite		+	+
	Sodium chloride		+	+
	Calcium chloride		+	+
	Iron chloride		+	+
	Aluminium sulphate		+	+
	Sugar		+	+
	Hydrogen peroxide	1%	+	+
	Hydrogen peroxide	10%	+	+
	Sodium bisulfite		+	+
	OILS AND FUELS	Petrol		+
Oil			+	+
Diesel oil			+	+
Olive oil			+	+
SOLVENTS		Ethanol		+
	Acetone		-	-
	Ethylene glycol		+	+
	Glycerin		+	+
	Perchlorethylene		-	-
	Trichlorethane		-	-
	Trichloroethylene		-	-
	Methylene chloride		-	-
	Toluene		-	-
	Benzene		-	-
Xylene		-	-	

Key: + Excellent resistance / (+) Fair resistance / - Poor resistance



Resilex Ecotech

Two-part epoxy-polyurethane adhesive with low VOC emissions, for laying wooden flooring

Form:	part A: light or dark brown paste part B: pale yellow liquid
Packs:	10 kg
Pallet:	480 kg
Quantities required	1.0 - 1.5 kg/m ²

Main features

- Two-part
- Water- and solvent-free
- Excellent workability

Storage

Resilex Ecotech can be kept for up to 24 months if stored in its original packaging in temperatures no lower than +5°. Keep away from direct sunlight.

Quality and Environmental Standards

Resilex Ecotech undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Fields of application

Resilex Ecotech is suitable for the following:

- gluing laminate parquet or mosaic parquet, lamparquet, and any type of floorboards;
- gluing pre-finished wood floors.
- gluing woodblock floors;
- gluing floorboards without using wood screed;
- laying on cement screeds or premixed screeds, such as **Basecem** or **Basecem Pronto**;
- laying on wooden substrates (not treated with waterproofing products), chipboard panels;
- on heated floors.
- laying on existing ceramic, sheet metal or marble flooring.

Preparation: the base must be dry, flat, resistant, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The humidity content must be less than 2.5% of the weight and must be measured carefully with electric or carbide moisture meters. To remove any residual humidity above the limit, it is essential to wait until the screed is dry or apply **Primer SP1**. When laying on glazed ceramic tiling, it is advisable to 'scratch' the glaze (using a scraping machine for example) to improve the adhesion to the base, so that it withstands any movement of the wood better.

Application: Resilex Ecotech is supplied in two pre-measured parts.

Pour part B (measuring 0.6 kg) into part A (9.4 kg) and mix with an electric mixer until an evenly coloured paste is obtained. The setting time and the glue's pot life, once mixed with the accelerator, are strictly linked to the room temperature.

Apply **Resilex Ecotech** with the specific toothed trowel, ensuring good adhesion. The ideal room temperature must be between +10°C and +30°C.

Warning

- Do not lay on gypsum screeds (panels, anhydride, magnesian) which are either crumbly or powdery; strengthen first with a diluted coat of **Primer SP1**;
- do not lay directly on substrates with residual humidity over 2.0%;
- in the event of a slight rise in humidity, treat with **Primer SP1**;
- do not lay if the walls and ceiling of the room are not perfectly dry;
- to restore the substrate to a single mass, use **Eposan** to seal cracks and splitting.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant (part A) corrosive (part B)
Mixing ratio:	part A: part B = 9.4 : 0.6
Mixture pH:	approx. 6
Application temperature:	from +10°C to +30°C
Open time:	approx. 20 minutes
Handling time:	approx. 35 minutes
Pot life:	40-50 minutes
Walk-over time	12-24 hours
Polishing:	24 hours after adhesive is completely dry
Flexibility:	excellent
Resistance to damp and ageing:	excellent
Temperature resistance:	from -30°C to +50°C
Harmonised customs code:	39095000

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Resilex PU2

Two-part epoxy-polyurethane adhesive for rubber, PVC, linoleum, wood, iron, ceramic and natural stone materials. For indoor and outdoor use.

Form:	part A: white paste part B: pale yellow liquid
Packs:	10 kg
Pallet:	480 kg
Quantities required:	2.5 - 5 kg/m ²

Main features

- Two-part
- Waterproof
- Thixotropic
- All-purpose
- Ultra-flexible

Storage

Resilex PU2 can be kept for up to 12 months if stored in its original packaging in temperatures no lower than +5°. Keep away from direct sunlight.

Quality and Environmental Standards

Resilex PU2 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Warning

- Always follow the mixing ratios recommended for the two parts;
- do not use **Resilex PU2** on surfaces that are damp or subject to rising damp;
- once set, the product is extremely difficult to clean off;
- working in high temperatures or on surfaces exposed to direct sunlight reduces the product's setting time considerably;
- bear in mind that temperatures below +12°C can also lengthen the setting time considerably and workability may be reduced due to the hardness of the mixture.

Fields of application

Resilex PU2 is suitable for the following:

- gluing linoleum, PVC, and carpet, making sure that floor has a humidity level below 2% and is not subject to rising damp;
- indoor and outdoor gluing for any type of ceramic tiles, glass mosaics or suchlike, for floors and walls, on any type of base. Laying in built-in bathrooms and kitchens, including on wooden bases;
- on standard plastered or cement mortared walls, on wood, chipboard, plasterboard, prefabricated or cast-in-situ concrete;
- on gypsum-based plaster/render which is dry and does not require priming;
- laying new tiles on top of old flooring;
- gluing false ceilings made of polystyrene and polyurethane foam, as well as gypsum rosettes;
- anywhere you need to cover surfaces subject to strong vibrations and mechanical or thermal deformation;
- anywhere you need to waterproof the laying surface;
- gluing natural stone tiles that are unstable in damp environments.

Preparation: the base must be flat, sound, and compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax; it must also be dry and well-set. Provide the laying surface with protection from direct sunlight beforehand. Metal bases must be rust-free; therefore, any rust must be completely removed by brushing or sanding.

Application: the two parts of **Resilex PU2** are already measured out (9.4 kg part A and 0.6 kg part B). Pour part B (accelerator) into the pot containing part A and mix with a mechanical mixer at low speed (max. 150 rpm, to prevent too much air being mixed in) until the parts are perfectly blended. The mixture consistency and hardening time depend on the temperature (ideal temperature: +23°C). Spread the adhesive over the base, first with the smooth side of the trowel and then with the toothed part. The trowel must have suitable tothing to ensure the glue adheres to the back of the tile, covering at least 70% of the surface area for indoor laying and 100% if laying outdoors, in swimming pools, or in areas subject to heavy traffic. For applications in areas exposed to freezing temperatures or subject to particular mechanical strains (outdoors, swimming pools, external walls, flooring that needs to be polished once laid), the adhesive (**Resilex PU2**) must be spread over both the base and the back of the tile to ensure there are no gaps in the layer of glue (double spreading method). If using **Resilex PU2** as a waterproofing treatment, it is advisable to apply in two stages. The first application should be as a smoothing coat (1 mm thick), the second, 24 hours later, must be carried out with an appropriate toothed trowel for the material to lay.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant (part A) corrosive (part B)
Mixing ratio:	part A: part B = 9.4 : 0.6
Specific weight of mixture:	1.53 g/cm³
Brookfield viscosity (mPa.s):	800,000 (# F-rpm 2.5)
Pot life:	approx. 60 minutes
Application temperature:	from +10°C to +30°C
Open time (according to EN 1346):	approx. 2 hours
Handling time:	approx. 3 hours
Joint sealant hardening time on walls:	approx. 12 hours
Joint sealant hardening time on floors:	approx. 12 hours
Walk-over time	12 hours
Ready for use:	approx. 7 days
FINAL PERFORMANCE SPECIFICATIONS EN 12003 (cutting resistance - N/mm²)	
Initial adhesion:	6.5 N/mm²
Adhesion after immersion in water:	4.8 N/mm²
Adhesion after thermal shock:	4.9 N/mm²
Resistance to acids and alkalis:	good
Resistance to damp, solvents, oil, and ageing:	good
Temperature resistance:	from -30°C to +90°C
Harmonised customs code:	35069100

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Eposteel

Ultra-fast-setting two-part epoxy fixative for marble materials

Adhesives Eposteel

Form:	part A: pale yellow paste Part B: white paste
Packs:	3 kg
Pallet:	180 kg
Quantities required:	varies depending on the use

Main features

- Ultra-fast-setting
- Instant fixing
- Ideal for DIY

Storage

Eposteel can be kept for up to 12 months if stored in a dry place and in its original packaging.

Quality and Environmental Standards

Eposteel undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Fields of application

Eposteel is suitable for the following:

- for fixing, repairing and laying marble, stone, granite, polyester resin compositions, on concrete, bricks, wood, iron, plastic, ceramic and glass.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand.

Application: mix **Eposteel**, always applying a ratio of 1:1 (part A and part B), until you have a soft, evenly coloured paste, and then use before it sets (within 3 minutes). Shape or remove the excess **Eposteel** before it sets (3 minutes at +20°C).

Warning

- Sensitive to UVA rays, which could alter product colour;
- always follow the mixing ratios recommended for the two parts;
- do not use **Eposteel** on surfaces that are damp or subject to rising damp;
- once set, the product is extremely difficult to clean off;
- working in high temperatures or on surfaces exposed to direct sunlight reduces the product's setting time considerably.

Technical and application specifications

Hazard classification as per Directive 99/45/EC:	irritant (part A) corrosive (part B)
Mixing ratio:	part A: part B = 1 :1
Specific weight of mixture:	1.61 g/cm³
Brookfield viscosity (mPa.s):	1.600.000 (# F-rpm 2,5)
Pot life:	approx. 3 minutes
Application temperature:	from +10°C to +30°C
Open time (according to EN 1346):	N/A
Handling time:	none
Joint sealant hardening time on walls:	approx. 1 hour
Joint sealant hardening time on floors:	approx. 1 hour
Walk-over time	1 hour
Ready for use:	approx. 3 hours

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.



Stik

Heat-melt glue for electric glue gun

Form: Coloured glue sticks:
pale yellow

Packs: 5 kg

Main features

- Spot gluing
- Instant gluing
- Practical
- Applicable with appropriate electric glue gun

Storage

Stik can be kept for up to 24 months if stored in its original packaging in temperatures no lower than +5°. Keep away from direct sunlight.

Quality and Environmental Standards

Stik undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2000.

Fields of application

Stik is suitable for the following:

- building display stands for show rooms
- DIY.

Preparation: the base must be sound, flat, compact, have no parts coming away, and be free of dust, grease, oil, paint, and wax. The base must be dry and well established. Provide the laying surface with protection from direct sunlight beforehand.

Application: use the relative hot glue gun, watching out for the high temperatures reached.

Technical and application specifications

Diameter:	12 mm
Length:	180 mm
Melting temperature:	> +80°C
Colour:	pale yellow
Pack:	5 kg box

Warning

- Do not use outdoors.

