PROLINE

PROFIX

Universal fixative for reinforcement and decoupling mats

Fields of application:

PROFIX is a dispersion fixative for adhering **PROSECURE-fibretec 2.0**, **PROFOLIO** sealing and decoupling membrane, **PROSILENCE** decoupling step and walking noise insulation board and pipe support elements of ENERGY surface heating and cooling systems

PROFIX has one component and very low emissions because it is solvent-free in accordance with TRGS 610.

PROFIX is not combustible and therefore can be used without posing a health risk.

PROFIX cures in about 3 hours at 21 °C and 65% relative humidity to such an extent that work on the adhered elements can be continued quickly.

- As an adhesive for decoupling, bearing or protective layers
- In dry and wet areas in building interiors
- For common loads in residential building and commercial areas
- For all kinds of fixed substrates

Product advantages:

Working with PROFIX is very easy:
The one-component fixative is applied directly to suitable substrates.
For a short time after having been put in place, the products mentioned above can even be repositioned.

- Easy to handle and simple to use
- Only a small quantity has to be applied
- High adhesive strength
- Compensates for cracks
- Ecologically safe

Delivery form:

Bucket with 5kg of ready-to-use dispersion fixative	
Item no.:	93780

For packaging units, please refer to the price list, the relevant price sheets or product news sheets, or speak to your specialist dealer.

Technical data:

Material	Dispersion fixative with an acrylic resin base and a creamy consistency
Density	1.2 g/cm³
Colour/layer	Light beige
Quantity to be applied	approx. 250 g/m² depending on how rough the substrate is
Marking according to GGVS/ADR	Not hazardous material
VbF	Not applicable
GefStoffV	Product does not require ID
GISCODE	D 1 – solvent-free in accordance with TRGS 610
Processing temperature	+ 15 °C to + 35 °C
Temperature resistance	- 40 °C to + 80 °C (when cured)
Can be walked on	Immediately, in combination with the cladding
Can be subjected to load	With room air conditions after 3 hours Complete curing overnight (approx. 12 hours)
Underfloor heating	Suitable (also refer to www.proline-energy.com)
Chair castors	suitable

Storage and transportation:

The bucket should be stored and transported closed and upright, and placed in a cool and dry place protected against sunlight and frost. The storage period for an unopened original container under these conditions is 12 months.

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Cautions and safety notes:

Do not let the product dry on skin. Wash off if there is skin contact. If swallowed, seek medical attention and show this packaging or data sheet.

Environmental protection and disposal:

Empty the container using a spatula. Dispose of containers and leftover product as stipulated by law and in accordance with regional regulations.

Supplementary products:

PROSECUREfibretec 2.0 Reinforcement and decoupling mat	Glass fibre fabric with glass fleece underside
Colour	Green glass fibre fabric, white glass fleece
Width	1.0 m / 1.5 mm thick
Rolls	10 m / 25 m
Item no.:	93719 / 93720

PROSTRIP S Edge insulating strip	PE edge insulating strip with fleece backing, self-adhesive foot and clinging technique
Colour	green
Width	50 mm high, 8 mm thick
Roll	25 m
Item no.:	93520

PROSTRP L Edge insulating strip	PE edge insulating strip with fleece backing, self-adhesive foot and clinging technique
Colour	green
Width	100 mm high, 8 mm thick
Roll	25 m
Item no.:	93521

PROSTRP Basic PE Edge insulating strip	PE edge insulating strip equipped on rear with approx. 25 mm self-adhesive strips
Colour	grey
Width	100 mm high, 8 mm thick
Roll	25 m
Item no.:	93527

Preparation/assessment of substrate:

The substrate must be clean, dry, free of loose and easily detachable materials and must be sufficiently bonded according to the intended load, resistant to bending and compression, and enable bonding of > 0.3 N/mm² to the **PROFIX**.

The evenness of the substrate must satisfy the required quality, depending on the subsequent surface layer.

Levelling work must be carried out, if possible, before applying **PROFIX**.

The substrate must have sufficient rigidity and must distribute the load over the surface area.

Existing cracks in the installation area must be sealed in advance by non-positive means and an adhesive strength of > 0.3 N/mm² must be ensured on the surface.

PROSECUREfibretec 2.0 can be laid directly over cracks narrower than 0.5 mm, as long as lasting assurance can be provided that there will not be differences in height at the edges of the crack and the crack will not expand.

Substrates must be assessed and pretreated according to basic engineering principles.

The manufacturer's specifications regarding the construction equipment and chemical products in use must be observed.

Laying/working:

Preparatory measures/site planning

Attach PROSTRIP S, L or Basic PE edge insulating strips to all rising building components and built-in parts to prevent non-positive connections and sound bridges.

Prepare the substrates according to the intended evenness, the required slope and the necessary strength.

Filling and levelling compound must have reached its rated strength.

Ideally, the temperature of the space should be +18 °C to + 25 °C and without any draught. The same temperature range applies to the dew-point-free substrate.

Prime or pretreat the prepared substrate in accordance with its type, structure and absorbency.

If unsure or in any doubt, even in terms of material compatibility, carry out separate tests in advance.

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Working

For highly absorbent substrates, we recommend a film-forming primer. For this purpose, make a 1:1 mix of **PROFIX** with water. Let the primer dry on before doing any more work.

On smooth and level substrates that have been prepared as described above, use a lambswool paint roller to apply enough **PROFIX** so that it forms a uniform film depending on the absorbency.

Make the application suitable so that reinforcement and decoupling mats which have been cut to size, such as **PROSECURE**fibretec 2.0, can be laid immediately and pressed on thoroughly, preferably with a pressure roller.

Form structure or building joints in the surface layer at the same height and position when doing this.

In the area of connection joints and expansion joints, separate the strips with the planned width of the joints. Butt joints at the end of strips or areas that have been cut to fit must be offset from adjacent butt joints by at least 25 cm (no cross joints).

In the area near butt joints, ensure that no adhesive is pressed up into the joint area. Preferably, use a spatula to scrape off the combed adhesive along the previously laid strip edge.

If it becomes necessary to walk (carefully) on the laid mats, take care not to create any blisters or swellings.

The dwell time may be longer at lower temperatures. Once the area has been covered, cordon it off to protect it from any irregular negative influence or, while avoiding any damage, at least cover it using load distributing elements such as formwork boards or similar.

It may also be necessary to shade the area to protect it from sunlight, for example, in the case of large glass façades.

ENERGY surface heating and cooling systems:

To adhere **PROSECURE**fibretec 2.0 to the pipe support elements of **BasicLine** and **NatureLine**, only use a lambswool paint roller to apply the **PROFIX** dispersion fixative; do not use a spatula! When applying **PROFIX**, do your best to avoid filling the heating pipe guides!

Chemical and physical resilience:

In combination with **PROSECURE**fibretec 2.0 and its higher tensile strength, **PROFIX** increases the mechanical load capacity of floor coverings—unlike conventional decoupling systems.

Furthermore:

- The greater the flexural strength and compressive resistance of the substrate and the higher the breaking strength of the tile or slab material, the larger they can be. This also increases the mechanical load capacity of the surface layer for preventing destruction caused by impacts (such as from falling objects). Loads from pedestrian traffic and frequent traffic from rollers and floor conveyors with rubber tyres can be borne without damage for compression forces of up to 1.0 kN/mm².

- The permissible mechanical load consists of loading groups I and II in accordance with ZDB bulletin "Coverings capable of withstanding high loads" from October 2005.
- The use of lift trucks with metal rollers and polyamide wheels normally represents high to extremely high mechanical loads. **PROFIX** is not suitable for this application.
- The substrates to be covered must have a sufficient level of flexural strength, compressive resistance and low vibration for the intended load.
- The installation sequence must take into account the curing times in relation to the laying temperature and manufacturer's specifications so that previously laid sections are not weakened or even damaged.

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Standards and regulations:

We recommend observing and taking into account the following standards and regulations:

- DIN 18352 Tile laying work
- DIN 18332 Natural stone work
- DIN 18333 Cast stone work
- DIN 18353 Screed work
- DIN 18356 Working with parquet
- DIN 4725 Floor heating, systems and components
- DIN 18202 Tolerances in building construction
- DIN 18560 Floor screeds in building construction
- DIN 18195 Building seals
- DIN 18157 Execution of ceramic linings by thin mortar bed technique
- Bulletins from German Association of Screed and Flooring
- Bulletins from Association of Tiles and Natural Stone in the Central Association of the German Construction Industry
- Interface co-ordination for heating flooring constructions
- Information leaflets of the Federal Association of Surface Heating and Durface Cooling (BVF)
- ZDB bulletin "Highly loaded floor coverings"
- ZDB tile and slab information "Information on decoupling"
- BAKT InfoTechnik – Bathrooms in dry-wall construction
- German Natural Stone Association – Structural engineering information for natural stone

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