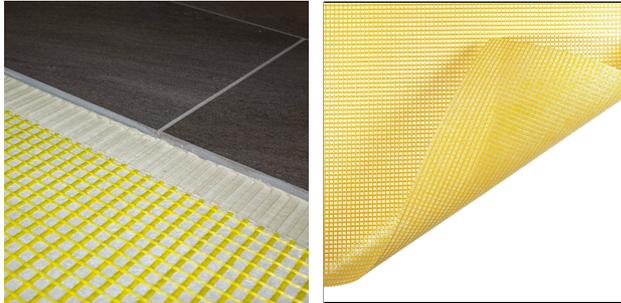




DURABASE FGT

Reinforcing Mat Made Of Fibreglass/Fleece Composite



PROPERTIES

- Material thickness: approx. 1.5 mm
 - Assembled height: 2 mm
 - Mesh opening of fibreglass fabric: 10 mm
 - Maximum tensile force: 5,000 N/5 cm (average value)
 - High adhesive tensile strength: 1.1 N/mm² (average value)
 - Crack bridging: 0.74 mm at 13.3 kN
 - Max. point load: 15.56 kN / 4 cm²
 - Max. concave load: 16.35 kN
 - Max. convex load: 3.5 kN
 - Dynamic load 400,000 cycles: no damage to tile covering L/360, 1.8 mm deflection)
- DURABASE FGT is suitable for all common underfloor heating systems without restriction.

MATERIAL

fibreglass

PROCESSING

The substrate must be dry, free of adhesion-inhibiting components and level. Loose components of the substrate must be removed. Any levelling measures must be carried out before laying DURABASE FGT. Existing cracks must be sealed professionally. Apply a suitable primer or adhesive primer to the prepared substrate in accordance with the manufacturer's instructions.

Note: When working with DURABASE FGT, especially when cutting the mats, we recommend wearing work gloves to prevent injury from fibreglass particles.

Cut the strips to size with a cutter knife or scissors. No allowances are necessary for overlapping mat joints. To avoid force-fit connections, allow for free edge joints of 5–10 mm. When aligning the strips, ensure that cracks are bridged at right angles as far as possible (no cross joints).

Mix the tile adhesive according to the manufacturer's instructions. The amount of water added should be at the upper end of the

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manufacturer's recommendation. Apply the tile adhesive to the substrate in sections with the smooth side of the notched trowel and then smooth with a 4 x 4 mm or 6 x 6 mm notched trowel.

Place the DURABASE FGT strip cut to size with the fleece facing downwards on the adhesive bed and press firmly. Lay the strips edge to edge. Offset the joints of adjacent strips by at least 30 cm at the end of the strip. It is not necessary to cover the seams. To avoid force-fit connections, ensure that there are free edge joints of 5–10 mm. Observe the open time of the adhesive used.

Do not start laying the covering until the adhesive has completely hardened (follow the manufacturer's instructions). Substrates reinforced with DURABASE FGT can be covered with all common types of covering such as tiles, natural stone, parquet, laminate, carpet or designer flooring.

The procedure must be adapted to the type of covering selected. Make sure that the grid structure of DURABASE FGT is carefully filled. If additional sealing is required, we recommend the supplementary use of DURABASE ET-S or WP after laying DURABASE FGT and before laying the top covering.

The generally accepted rules of technology and tiling must be observed. Suitability for use with mechanical and chemical resistance must always be checked in each individual case.

TECHNICAL DIMENSIONS AND PRODUCT VARIANTS

Material	[Fibreglass]
Colour	yellow
Length	30 m
Width mm	100 cm
Surface area (sqm)	30 m ² , 540 m ²
Strength mm	1,5

PRODUCT VARIANTS

Ident	Colour	Length
FGT 30/18	yellow	30 m
FGT 30/1	yellow	30 m

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