

Mapetherm Net

Glass fibre mesh resistant to alkalis, ideal for reinforcing skim coats for repairing façades and installing Mapetherm thermal insulation systems



WHERE TO USE

Reinforcement for:

- a) protective reinforcing coats on façades and render with micro-cracks or crazing;
- a) reinforcing coats on thermal insulation systems made with **Mapetherm AR1**, **Mapetherm AR1 GG**, **Mapetherm AR1 Light** or **Adesilex FIS13**.

TECHNICAL CHARACTERISTICS

The mesh is made from glass fibres treated with a special primer which makes it resistant to alkalis and improves its adhesion to all MAPEI renders (where used).

Once the reinforcing coat has hardened, **Mapetherm Net** reinforces the layer to prevent cracks forming due to movements in the substrate or hygrometric shrinkage. It also makes it easier to apply an even reinforcing coat around 2-3 mm thick and increases its strength and resistance to temperature variations and abrasion.

APPLICATION PROCEDURE

Mapetherm Net must be completely embedded in the skim coat as follows:

- trowel-apply a layer of reinforcing compound according to the thickness permitted by the trowel;
- while the reinforcing compound is still fresh, lay **Mapetherm Net** on the surface and press it gently with the trowel so that it is embedded;
- wait for the reinforcing compound to dry (usually 12 to 24 hours depending on the type of product used, the

thickness applied, the surrounding temperature and level of humidity), apply a second layer of reinforcing compound around 1-2 mm thick and, if necessary, finish the surface with a damp sponge.

When applying **Mapetherm Net**, make sure the edges of each piece overlap by at least 10 cm to form a seamless layer of reinforcement.

PACKAGING

Rolls 50 metres long by 1 metre wide.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

All relevant references for the product are available upon request and from www.mapei.com



TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Composition:	glass fibres treated with anti-alkali primer
Colour:	white
Weight (g/m²):	155 (± 5%)
Mesh size:	warp 4.15 mm (± 5%) weft 3.80 mm (± 5%)
Resistance to alkalis:	yes (according to ETAG 004)
TENSILE STRENGTH (in compliance with tests in the ETAG 004 guidelines)	
Ultimate strength - value of mesh:	warp 38 N/mm (equal to 1900 N/5 cm) weft 46 N/mm (equal to 2300 N/5 cm)
Elongation:	warp 4.5% ± 1.5 weft 4.5% ± 1.5
Ultimate strength – residual strength not compromised by ageing in alkaline environment:	warp ≥ 20 N/mm (equal to 1000 N/5 cm) weft ≥ 20 N/mm (equal to 1000 N/5 cm)
Elongation:	warp 3.0% ± 1.5 weft 3.0% ± 1.5
MAPETHERM NET: – bears the ITC CNR N° 001/07 voluntary Quality Mark and the production process is constantly monitored; – it is a component of the Mapetherm thermal insulation systems produced by MAPEI S.p.A. that have obtained the following ETA: Mapetherm XPS 04/0061; Mapetherm M. WOOL 10/0024; Mapetherm EPS 10/0025	