



MAPEI MapeWrap EQ Net

Bi-directional, primed, glass fibre reinforcing fabric for localised reinforcement applications on all types of non load-bearing and non-structural elements



WHERE TO USE

Glass fibre reinforcement used in combination with **MapeWrap EQ Adhesive** (ready-to-use, water and polyurethane-based one-component adhesive) for reinforcing masonry elements to improve the distribution of stresses induced by dynamic loads.

Some application examples

- Structural reinforcement of structural and non-structural facing walls, applied on the internal and/or external face.
- To reduce the vulnerability of internal and external non load-bearing partition walls to seismic activity, including rendered walls.
- Reinforcement to prevent the collapse of sand-cement floors.

TECHNICAL CHARACTERISTICS

MapeWrap EQ Net is a special, bi-directional reinforcing fabric, made from glass fibres with a special surface treatment of polyurethane-based primer. Thanks to its special weave, it makes masonry highly ductile by distributing dynamic stresses more evenly.

The system also adheres perfectly to rendered substrates, as long as they are solid and compact, and have a “containment” effect on elements typically prone to brittle fracture.

ADVANTAGES

- Excellent tensile strength.
- Stable and resistant to chemical aggression from cement.
- Resistant to atmospheric agents.
- High dimensional stability.
- Does not rust.
- Light and easy to handle.
- Easy to cut and fold to suit the shape of the substrate.
- Quick application, elements are soon ready for service.

APPLICATION PROCEDURE

Substrate preparation

Surfaces on which **MapeWrap EQ Net** is to be applied must be suitably prepared. Remove all old paintwork by sanding the surface. Remove all traces of dust with a vacuum cleaner. Remove any render not perfectly adhered to the substrate.

After removing the render, if new stones, bricks and/or tuff are required to fill large gaps in the wall, use material with characteristics as similar as possible to the material originally used to build the wall. Seal the surface of any cracks with **Planitop HDM Maxi**.

| TECHNICAL DATA (typical values) | |
|--|--------------------------------|
| PRODUCT IDENTITY | |
| Type of fibre: | E (primed) type glass fibres |
| Weight (g/m ²): | 286 |
| Appearance: | balanced bi-directional fabric |
| Equivalent thickness of dry fabric (mm ² /m): | 57.00 |
| Tensile strength (N/mm ²): | > 1,620 |
| Tensile modulus of elasticity (GPa): | 42 |
| Width (cm): | 100 |
| Elongation at failure (%): | 4 |
| APPLICATION DATA | |
| Tensile strength (N/5 cm): | > 4,600 |
| Elongation at failure (%): | 4 |

Remove all loose material and dust and clean the structure with water.

Application procedure for MapeWrap EQ Net

Prepare the **MapeWrap EQ Adhesive** (refer to the Technical data Sheet).

Apply an even layer of **MapeWrap EQ Adhesive** with a brush or short-haired roller. Lay the **MapeWrap EQ Net** on the adhesive, making sure there are no creases.

Flatten out the fabric by hand while wearing protective, waterproof rubber gloves, apply a second layer of **MapeWrap EQ Adhesive** on the **MapeWrap EQ Net** fabric, and then roll it in well using a firm rubber or metal roller (**MapeWrap Roller**) so that the adhesive completely penetrates through the fibres of the fabric.

Pass over the surface of the impregnated fabric with a worm-screw type **MapeWrap Roller** to eliminate any air bubbles trapped in the fabric during the previous steps.

Skim the surface directly with **Planitop 200**,

24 hours after applying **MapeWrap EQ System**.

Overlap the sides of adjacent sheets of **MapeWrap EQ Net** by at least 15 cm. Overlap the ends of adjacent sheets by at least 10 cm.

PACKAGING

MapeWrap EQ Net is supplied in 50 m x 1 m wide rolls packed in cardboard boxes.

STORAGE

Store in a covered dry area.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

MapeWrap EQ Net is an article and referring to the current European regulations (Reg. 1906/2007/EC - REACH) does not require the preparation of the Safety Data Sheet. During use it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.

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

LEGAL NOTICE

The contents of this Technical Data Sheet (“TDS”) may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

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

**MapeWrap.EQ
Net**



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