MAPEPROOF MASTIC

Natural sodium bentonite-based grout with plasticising additives





WHERE TO USE

Mapeproof Mastic is a bentonite paste specifically formulated for sealing, grouting and repairing **Mapeproof** bentonite sheets.

Some application examples

Mapeproof Mastic is used for:
· sealing through elements (reinforcement rods in pile heads, piping, drainage wells);
· grouting connector rods (connection and reinforcement rods);
· localised repairs in damaged bentonite **Mapeproof** sheets;
· guaranteeing continuity in waterproofing between **Mapeproof** bentonite sheets and **Mapelastic Foundation** or products from the **Plastimul** range applied on vertical surfaces after pouring.

TECHNICAL CHARACTERISTICS

Mapeproof Mastic is a ready-to-use grout made from natural sodium bentonite and plasticising additives.
One of its main characteristics is that it is extremely easy to use.
It is applied dry by trowel on horizontal and vertical surfaces.

RECOMMENDATIONS

The grout may dry out if exposed to the air for long periods.
Do not use **Mapeproof Mastic** in the following conditions:
· temperatures lower than +5°C;
· wet weather.

APPLICATION PROCEDURE

Apply **Mapeproof Mastic** on all surfaces, which must be dry and with no traces of dirt, grease, rust, oil or dust.
If there are through elements, cut and trim **Mapeproof** bentonite sheet to shape it around the elements.
Apply **Mapeproof Mastic** over of the sheet, then position a piece of sheet fixed in place with nails and **Mapeproof CD** washers.
If there are connector rods, spread on the **Mapeproof** bentonite sheet and make holes in the sheet to allow the rods to pass through it.
Then grout the holes for the rods with **Mapeproof Mastic**.
In case **Mapelastic Foundation** or a product from the **Plastimul** range are used to waterproof vertical surfaces after pouring concrete, grout the 10 cm overlaps between the **Mapeproof** bentonite sheet applied under the foundation slab and **Mapelastic Foundation** or **Plastimul** with **Mapeproof Mastic**, to guarantee continuity in the waterproofing layer.

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Fig. 1 - Application by trowel of Mapeproof Mastic around through piping



Fig. 2 - Application of Mapeproof Mastic around reinforcement rods in pile heads



Fig. 3 - Sealing a piece of Mapeproof sheet around steel reinforcement rods with Mapeproof Mastic



Fig. 4 - Grouting connection rods with Mapeproof Mastic

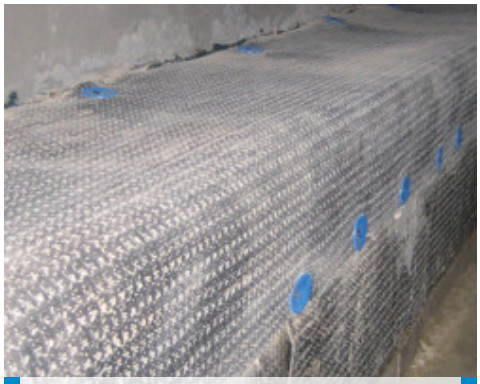


Fig. 5 - Sealing between Mapeproof bentonite sheet and Mapelastic Foundation with Mapeproof Mastic



Fig. 6 - Sealing between Mapeproof bentonite sheets with Mapeproof Mastic

CONSUMPTION

1.5 kg/m² of fresh product per mm of thickness.

PACKAGING

10 litre bucket containing 15 kg of product.

STORAGE

12 months in its original unopened packaging; protect from frost.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeproof Mastic is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. We recommend using protective gloves and goggles, and to take the usual precautions for handling chemical products.
For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PHYSICAL-CHEMICAL CHARACTERISTICS	
Density (kg/dm³):	1.5
Behaviour in water:	bentonite hydrates freely and swells

Composition:	50% sodium bentonite; 50% non-toxic plasticising agents

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

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