

# MAPEGUARD WP 200

Alkali-resistant, waterproofing and anti-fracture membrane under ceramics, natural stone tiles and LVT



## WHERE TO USE

Waterproofing and anti-fracture membrane, made of soft polyethylene, for direct application under ceramics, natural stone tiles and LVT (Luxury Vinyl Tiles).

### Some application examples

- Mapeguard WP 200 is a waterproofing and anti-fracture membrane used in wet and damp areas in residential and commercial buildings such as domestic and hotel bathrooms, private or commercial showers.
- Waterproofing membrane on moisture-sensitive substrates (such as gypsum plasters and gypsum fiber boards, calcium sulphate screeds) and mineral surfaces (such as cement plaster, porous concrete, concrete, cement screed, cement-based panels).

## TECHNICAL CHARACTERISTICS

Mapeguard WP 200 is a flexible, thin-layer, waterproof isolating sheet of polyethylene, coated on both sides with a non-woven polypropylene fabric. The non-woven fabric ensures a relevant bond strength of the adhesive between the membrane and the substrate and between the membrane and the covering.

### Properties

- Waterproofing.
- High tensile strength.
- High tensile bond strength adhesive connection with tile adhesives.
- Crack-bridging ability.
- Alkali-resistant.

## RECOMMENDATIONS

- Do not use Mapeguard WP 200 if the environmental temperature is lower than +5°C.
- The use of Mapeguard WP 200 as a anti-fracture membrane does not avoid the need of movement joints.
- Mapeguard WP 200 is not permanent UV-resistant and so it has to be covered with ceramics or natural stone.
- All the in force national peculiarities and guidelines have to be observed.
- Do not apply any smoothing layer after the bonding of Mapeguard WP 200.

## HOW TO USE

### Preparation of the substrate

The substrate must be dry, stable, sound, flat and free from loose particles and other materials, which may inhibit adhesion.

Remove all cement laitance, flaking areas and traces of powder, grease, wax, paint etc.

All cracks wider than 0.2 mm must be repaired beforehand with **Eporip** or **Eporip Turbo**.

Uneven cementitious substrates or ceramic surfaces with wide joints need to be smoothed off and repaired with suitable MAPEI products (please refer to the general catalogue) before laying **Mapeguard WP 200**.

Existing floors and those tiled with ceramic, porcelain, klinker or terracotta tiles, etc., must be well bonded to the substrate and be free from substances which could affect the adhesion of the membrane, such as grease, oil, wax, paint, etc.

To remove material that could affect the adhesion of the cementitious adhesive, clean the floor with suitable cleaning agents.

Gypsum based substrates such as calcium sulphate screeds, plasterboard or gypsum plaster as well as absorbent surfaces made of concrete, aerated concrete, cement mortar and cement render must be primed, before laying **Mapeguard WP 200**, with **Primer G** or **Eco Prim T** at the appropriate dilution (refer to the relevant technical data sheet for information).

Non-absorbent substrates such as ceramic tiles or natural stone surfaces must be primed with **Eco Prim T** or **Eco Prim Grip**.

## Laying Mapeguard WP 200

**Mapeguard WP 200** must be cut to size before being bonded. Use a MAPEI tile adhesive conforming to a minimum of class C2 according to EN 12004 or ISO 13007 (such as **Keraquick S1**, **Ultralite S1**, **Keraflex**, **Keraflex Maxi S1** or similar) using a 3x3 or 4x4 mm notched trowel. If LVT flooring is to be installed afterwards, bond **Mapeguard WP 200** with **Mapeguard WP Adhesive**.

For application details please refer to the pertinent technical data sheet.

**Mapeguard WP 200** must be laid over the fresh adhesive and pressed down uniformly, from the centre to the edges, in order to avoid trapping air bubbles under the waterproofing membrane.

The overlap between **Mapeguard WP 200** sheets must be minimum 5 cm wide and must be sealed with **Mapeguard WP Adhesive** applied with a 3x3 mm notched trowel.

Seal all the junctions between floors and walls and between adjoining sheets with **Mapeguard ST** laid directly onto **Mapeguard WP 200** with **Mapeguard WP Adhesive**.

Waterproof the internal and external corners with **Mapeguard IC** and **Mapeguard EC** bonded with **Mapeguard WP Adhesive** onto the membrane. All pipes must be waterproofed by using the special accessories **Mapeguard PC** bonded with **Mapeguard WP Adhesive** on the membrane.

Before installing the membrane, **Mapeflex MS45** must be applied around the perimeter of the drain in order to achieve an adequate seal to the junction.

## Laying tiles

After the application of the waterproofing membrane, it is possible to proceed directly with the installation of tiles. The choice of the adhesive should be made according to the type and size of the selected ceramic tile or natural stone.

After installing the tiles, grout the joints with an epoxy grout (**Kerapoxy CQ**, **Kerapoxy Design**) or cementitious products (**Ultracolor Plus**, **Keracolor GG**, **Keracolor FF** mixed with **Fugolastic**). The expansion / movement joints must be sealed with **Mapesil AC** or **Mapesil LM**.

If the system is applied to different surfaces, in climatic conditions and/or for final uses not mentioned above, please contact the Technical Services Department at MAPEI S.p.A.

## Installing LVT

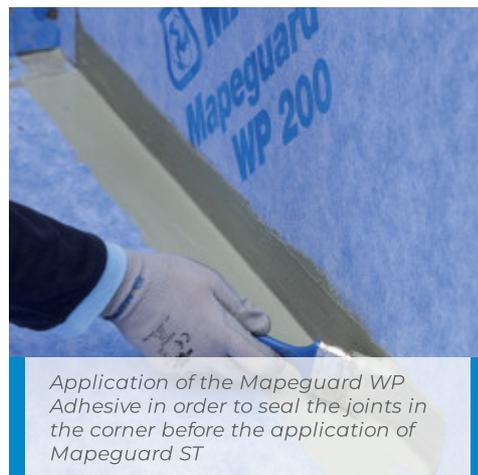
If a LVT floor or wall covering is to be installed, wait at least 3 hours after spreading **Mapeguard WP 200** to allow **Mapeguard WP Adhesive** to set. The LVT tiles may then be installed using **Ultrabond Eco MS 4 LVT** or **Ultrabond Eco MS 4 LVT Wall**. For further details on how to use the product, refer to the relative Technical Data Sheet and the **Shower System 4 LVT<sup>1</sup>** System Data Sheet.



Laying Mapeguard WP 200



Application of the second sheet



Application of the Mapeguard WP Adhesive in order to seal the joints in the corner before the application of Mapeguard ST



Application of Mapeguard ST



Laying of the tiles

## PACKAGING

1 m x 30 m rolls.  
1 m x 5 m rolls.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Mapeguard WP 200** is an article and referring to the current European regulations (Reg. 1906/2007/CE - REACH) does not require the preparation of the material safety data sheet. During use it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Material:	three layered product made of polypropylene / polyethylene
Colour:	blue
Total thickness (mm):	approx. 0.44-0.48
Thickness of foil (mm):	0.2
Width (cm):	100
Length (m):	30 and 5
Weight (g/m <sup>2</sup> ):	approx. 251-266

## 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](http://www.mapei.com)

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*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.*

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