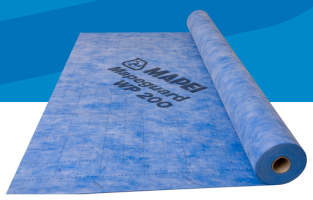
MAPEGUARD WP 200

Alkali-resistant waterproofing and anti-fracture membrane; suitable for overlaying with ceramic, natural stone and LVT floors





GEV-EMICODE EC 1 PLUS very low emission

BENEFITS AND FEATURES

- Waterproofing
- Anti-fracture properties
- Alkali-resistant
- High tensile strength
- High adhesive capacity with cementitious adhesives
- Quick and easy to install
- Crack bridging capacity
- Tile-ready surface

WHERE TO USE

Waterproofing and anti-fracture membrane, made of soft polyethylene, for direct application under ceramics, natural stone tiles and LVT (Luxury Vynil 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 and swimming pools.
- 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.

MAPEI

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**.

APPLICATION PROCEDURE

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 cemetitious 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 using **UltraCare HD Cleaner**.

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 Plus** 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 Plus** or **Eco Prim Grip Plus**.

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 **Keraflex Extra S1**, **Keraquick Maxi 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** or alternatively **Mapeguard WP Adhesive 1K.**

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 n.3 notched trowel or, alternatively, **Mapeguard WP Adhesive 1K** applied by roller.

Seal all the junctions between floors and walls and between adjoining sheets with **Mapeguard ST** or **Mapeguard ST Flex** laid directly onto **Mapeguard WP 200** with **Mapeguard WP Adhesive** or **Mapeguard WP Adhesive 1K.**

Waterproof the internal and external corners with **Mapeguard IC** and **Mapeguard EC** bonded with **Mapeguard WP Adhesive** or alternatively **Mapeguard WP Adhesive 1K** onto the membrane. All pipes must be waterproofed

by using the special accessories **Mapeguard PC** bonded with **Mapeguard WP Adhesive** or **Mapeguard WP Adhesive 1K** 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 joint.

Waterproof floors of different levels using **Mapeguard DH-U** bonded with **Mapeguard WP Adhesive** or, alternatively, **Mapeguard WP Adhesive 1K**.

When used in swimming pools, the sheets must be joined together and waterproofed using 24 cm wide **Mapeguard ST Flex** tape bonded with **Mapeguard WP Adhesive**. Use 24 cm wide **Mapeguard ST Flex** tape also for any overlaps between walls and between walls and floors.

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 Easy 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

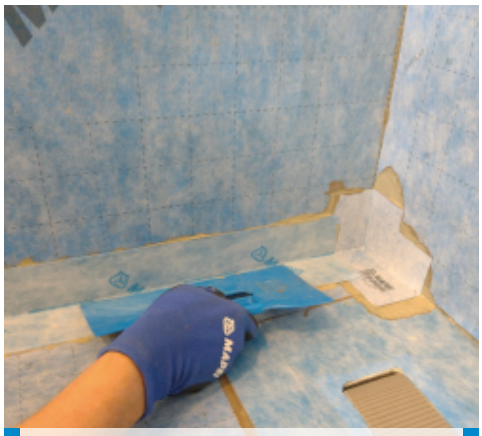
If a LVT floor or wall covering is to be installed, wait at least 3 hours after spreading **Mapeguard WP 200** to allow **Mapeguard WP Adhesive** or **Mapeguard WP Adhesive 1K** to set. The LVT tiles may then be installed using **Ultrabond Eco MS 4 LVT** or **Ultrabond Eco MS 4 LVT Wall**. For further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



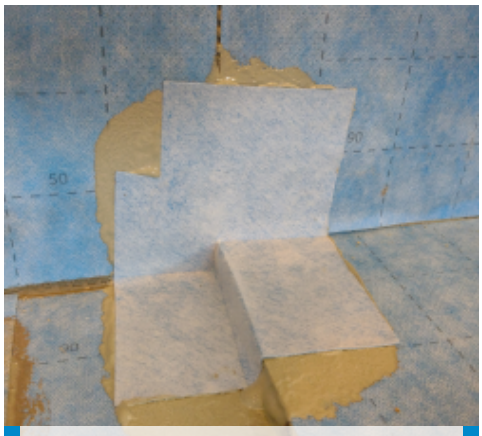
Application of Mapeguard WP 200



Application of Mapeguard WP Adhesive



Application of Mapeguard ST



Application of Mapeguard DH-U



Application of Mapeguard IC



Application of Mapeguard PC



Installation of 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. 1907/2006/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/m²):	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

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.

Mapei S.p.A.

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