

MAPEGUARD WP ADHESIVE

Two-component, rapid-drying elastic cementitious adhesive for bonding and sealing overlaps of Mapeguard WP 90, Mapeguard WP 140, Mapeguard WP 200, joints between adjacent sheets of Mapeguard UM 35 with Mapeband Easy and the relative special pieces



WHERE TO USE

- Bonding and sealing overlaps of **Mapeguard WP 90/140/200** and **Mapeguard UM 35**.
- Bonding and sealing **Mapeguard ST** on **Mapeguard WP 90/140/200**.
- Bonding and sealing **Mapeguard IC**, **Mapeguard EC**, **Mapeguard PC** and **Mapeband Easy**.
- Bonding **Mapeband Easy** to seal the joints between adjacent sheets of **Mapeguard UM 35**.
- Bonding **Mapeband Easy** when used together with **Mapeguard UM 35** for waterproofing edges and corners.
- **Mapeguard WP Adhesive** is suitable for application in wall and floor areas.

TECHNICAL CHARACTERISTICS

Mapeguard WP Adhesive is a two-component, cementitious binder-based mortar with fine-grained selected aggregates, special admixtures and synthetic polymers in water dispersion, blended according to a formula developed in MAPEI's own research laboratories.

When the two components are mixed together, a blend with a plastic consistency is obtained. It may be applied by brush, by roller or by trowel.

RECOMMENDATIONS

- Only apply **Mapeguard WP Adhesive** if the temperature is above +5°C.
- Do not add cement or aggregates to **Mapeguard WP Adhesive**.
- You can add up to 5 % water (max. 1.5 dl).
- Protect from water for the first 24 hours after application at +23°C.
- During hot weather do not expose the product (liquid or powder) to direct sunlight before its application.

APPLICATION PROCEDURE

Preparation of the substrate

Mapeguard WP Adhesive can be applied on the clean surface of plaster, concrete, masonry, wet room boards, other suitable substrate for use in wet rooms, as well as foil and details in the **Mapeguard**-series.

Preparation of the mix

Pour component B (liquid) into a suitable clean container. Then slowly add component A (powder) while stirring with a mechanical mixer.

The mixing ratio is: comp A : comp B = 1 : 0.9.

Carefully mix the blend for a few minutes, then remove any powder which has stuck to the sides and bottom of the container. Keep mixing until completely blended. A mechanical mixer at low speed is recommended for this operation to prevent entraining too much air into the mix. Avoid mixing the product manually.

In case of use for **Mapeguard WP 90/140/200** and the relative special pieces, to make the product even more workable so that it may be applied with a roller or brush, add water at a rate of up to 5 % of the weight of the latex used (max. 1.5 dl).

Application of the mortar

Mapeguard WP Adhesive can be applied by brush, roller or trowel (no. 3).

Once the adhesive has been applied, the overlaps of **Mapeguard WP 90/140/200** layers, the joints between adjacent sheets of **Mapeguard UM 35** sealed with **Mapeband Easy** and the overlaps of the relative special pieces (**Mapeguard ST**, **Mapeguard IC**, **Mapeguard EC** or **Mapeguard PC**) must be assembled as quickly as possible by fully embedding them in the adhesive and avoiding air pockets. It is recommended to press the sealing band into place by applying pressure with the smooth side of the notched trowel being careful not to damage the waterproofing products. As an alternative, a suitable pressure roller may be used. The drying and installation time is shorter at higher temperatures and longer at lower temperatures. The ambient temperature for the installation may not be lower than +5°C until the final curing. When installing LVT, use **Mapeguard WP Adhesive** to bond **Mapeguard WP 90/140/200** to the substrate, and refer to the **Shower System 4 LVT¹ System Data Sheet**.

Cleaning

Tools and containers should be cleaned with plenty of water while **Mapeguard WP Adhesive** is still fresh. Once dried, cleaning can be carried out only mechanically.

CONSUMPTION

Mapeguard WP System:

- Overlaps of **Mapeguard WP 90/140/200** (5 cm overlap between sheets), **Mapeguard WP Adhesive** consumption of around 100 g/m.
- Bonding **Mapeguard ST** on **Mapeguard WP 90/140/200**, **Mapeguard WP Adhesive** consumption of around 250 g/m.

Mapeguard UM 35:

- Bonding **Mapeband Easy** on **Mapeguard UM 35**, **Mapeguard WP Adhesive** consumption of around 400 g/m.

PACKAGING

Unit of 6.65 kg (3.5 kg bags + 3.15 kg tanks).

STORAGE

Mapeguard WP Adhesive component A may be stored for 24 months in its original packaging in a dry place.

Mapeguard WP Adhesive component B may be stored for 24 months.

Store **Mapeguard WP Adhesive** in a dry place at a temperature of at least +5°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

	Comp. A	Comp. B
Consistency:	powder	liquid
Color:	light brown	white
Bulk density (g/cm ³):	1.3	–
Density (g/cm ³):	–	1.04
Dry solids content (%):	100	54

APPLICATION DATA OF PRODUCT (at +23°C - 50 % R.H.)

Colour of mix:	brown
Mixing ratio:	component A : component B = 1 : 0.9

Consistency of mix:	fluid
Density of mix (kg/m ³):	1350
Application temperature range:	from +5°C to +35°C
Pot life of mix:	approx. 45 min.

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 web site www.mapei.no

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