MAPELASTIC EASY

Two-component acrylic modified cementitious, flexible waterproof coating easy to apply for waterproofing balconies, terraces, and bathrooms



WHERE TO USE

Mapelastic Easy is used for waterproofing wet areas, balconies, and terraces.

Some application examples

- Waterproofing bathrooms, showers, balconies, terraces etc., before laying ceramic tiles
- Waterproofing plasterboard, render or cementitious surfaces

ADVANTAGES

- Fluid consistency for easy application by brush, roller, or trowel
- Waterproof and excellent adhesion
- Excellent mechanical characteristics in combination with the use of **Mapetex Sel N** reinforcement
- Very low emission of volatile organic compounds

TECHNICAL CHARACTERISTICS

Mapelastic easy is a two-component mortar based on cementitious binders, 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, a blend with a plastic consistency is obtained. It may be applied by brush, roller or trowel at a thickness of approximately 2 mm. Due to the content and high quality of the synthetic resins, the hardened layer of **Mapelastic Easy** remains constantly flexible under all environmental conditions.

Mapelastic Easy has excellent bonding properties on all cementitious, ceramic, and marble surfaces if they are sound and sufficiently clean.

RECOMMENDATIONS

- Do not apply **Mapelastic Easy** at temperatures lower than +8°C
- Do not add cement, aggregates, or water to **Mapelastic Easy**
- Protect from rain and water spillages for the first 24 hours after application
- Do not apply on lightweight substrates
- Do not apply on cementitious substrates not sufficiently cured
- During hot weather, it is advisable to keep the product out of direct sunlight before use (powder and liquid)

MAPEI

- After application, and in particularly dry, hot, or windy weather, we recommend that the surface is protected from rapid evaporation with sheets

APPLICATION PROCEDURE

TECHNICAL INFORMATION FOR THE APPLICATION	
Mixing ratio:	component A : component B = 3 : 1 (one 18 kg bag of component A with an 6 kg can of component B)
Thickness applied:	Final thickness at least 2 mm *(See product application section)*
Application temperature range:	Surrounding and substrate temperature from +8°C to +40°C
Pot life of mix:	approx. 2 hours (at +20°C)

Preparation of the substrate

<u>Waterproofing of wet areas, terraces, balconies</u>

- *CEMENTITIOUS SCREEDS:*
  - settlement cracks caused by plastic or hygrometric shrinkage must be sealed beforehand with **Eporip**
  - if thicknesses of up to 20 mm must be levelled out (to create slopes, fill out dips, etc.) use **Planitop Fast 330**

- *RENDERS:*
  - new, cementitious-based renders or lime-cement renders must be well cured (in good weather, we recommend at least 7 days per cm of thickness applied), bonded to the substrate, resistant and free of powder or all kinds of paint
  - dampen absorbent surfaces to be treated beforehand with water

<u>Waterproofing: pay attention to detail</u>

Use products from the **Mapeband** and **Drain** ranges in combination with **Mapelastic Easy**. **Mapeband TPE** is used to seal structural joints, gaps, and interruptions subject to high dynamic stress, while **Mapeband**, **Mapeband Easy** and **Mapeband SA** are used to waterproof fillet joints between horizontal and vertical surfaces and check joints. Special kits are also available from the **Drain** range to seal drainage points.

Preparation of the mortar

Pour component B (liquid) into a suitable, clean container. Then slowly add component A (powder) while stirring with a mechanical mixer. Carefully mix **Mapelastic Easy** for a few minutes, making sure that no powder remains stuck to the sides or the bottom of the container. Keep stirring until a perfectly homogenous mix is obtained.

Use a low-speed mechanical mixer for this operation to avoid too much air entering the mix. Do not prepare the mix by hand.

Manual application of the mortar

Mapelastic Easy must be applied in at least two coats by brush, trowel or with a roller within 60 minutes of it being mixed, to give a final required thickness.

After the reinforcement of **Mapetex Sel N** is laid when required, let the first coat dry, then apply the second coat of **Mapelastic Easy** to completely cover the reinforcement, and smooth over the surface using a flat-bladed trowel.

After applying **Mapelastic Easy**, wait at least 5 days for curing before laying ceramic tiles. This waiting time can be longer in cold climatic conditions. In good weather and at normal temperatures, on the other hand, this time

may be reduced.

Laying ceramic tiles on Mapelastic Easy (Wet areas, Balconies and Terraces)

- Bond in place with a C2 class cementitious adhesive such as **Adesilex P7** or **Adesilex P9**
- Grout all joints with a CG2 class cementitious product such as **Keracolor FF** or **Ultracolor Plus**
- Seal all expansion joints with a specific MAPEI flexible sealant

Cleaning

Due to the high bonding strength of **Mapelastic Easy**, even on metals, we recommend that work tools are washed with water before the mortar sets. Once it has set, cleaning may only be carried out by mechanical means.

CONSUMPTION

Application by trowel or roller: Approx. 1.9 kg/m² per mm of thickness.

N.B.: the consumption figures indicated are for a seamless film on a flat surface and are higher if applied on uneven substrates.

PACKAGING

Mapelastic Easy available in 24 kg kits.

- Component A: 18 kg bags
- Component B: 6 kg jerrycans

STORAGE

Mapelastic Easy component A may be stored for up to 12 months when contained in its original sealed packaging in a dry place. **Mapelastic Easy** component B may be stored for up to 24 months. Store **Mapelastic Easy** in a dry place and at a temperature of at least +5°C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instruction on the safe use of our products can be found on the latest version of the Safety Data Sheet available on our website www.mapei.eg

PRODUCT FOR PROFESSIONAL USE

TECHNICAL DATA (typical values)

Mapelastic Easy: two-component acrylic modified flexible cementitious membrane for waterproofing balconies, terraces, wet areas in compliance with the requirements of EN 14891.

PRODUCT IDENTIFICATION		
	Component A	Component B
Consistency:	powder	liquid
Colour:	light grey	white

TECHNICAL INFORMATION FOR PRODUCT PREPARATION	
Mixing ratio:	component A : component B = 3 : 1
Preparation of mix:	Mix with a paddle mixer for around 1.5 mins. to form a smooth, even paste with the required density

CHARACTERISTICS OF FRESH MIX (at +20°C - 50% R.H.)	
Colour of the mix:	light grey
Consistency of the mix:	fluid
Density of the mix:	1925 kg/m^3

FINAL PERFORMANCE PROPERTIES
Curing at +23°C – 50% R.H. unless otherwise specified by the test methods (thickness applied 2.0 mm)

Performance characteristic	Test method	Performance of product
Water impermeability - penetration depth:	BS EN 12390-8	Nil
Impermeability to water, expressed as capillary absorption:	BS EN 1062-3	<0.1 kg/m^{2}h$^{0.5}$
Initial adhesion:	EN 14891 – A6.2	≥ 1.5 N/mm^2
Crack-bridging ability at +23°C:	EN 14891 – A8.2	≥ 0.75 mm

Adhesion values according to EN 14891 measured on **Mapelastic Easy** and C2TE S1-type cementitious adhesive in compliance with EN 12004.

IMPORTANT NOTES

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that installers satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification. The installer should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.eg

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into other project-related documents, 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.eg

ANY ALTERATIONS 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.eg

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