



Mapecoat E23

Two-component epoxy primer for the protection of concrete. To be applied before the polyurethane finishing

WHERE TO USE

Two-component epoxy-polyamide resin based primer.

Product with a high solid residue, suitable as a consolidating anchorage primer for concrete surfaces and mineral based substrates.

Suitable as a first coat for epoxy or polyurethane finishes.

It can also be applied on slightly moist surfaces.

Some application examples

- Primer for cement and steel constructions subjected to strong chemical, mechanical and atmospheric stress.

TECHNICAL CHARACTERISTICS

Mapecoat E23 is a two-component paint based on charged epoxy resins and selected pigments formulated in the Mapei research laboratories.

APPLICATION PROCEDURE

Preparing the substrate

Surfaces must be perfectly clean and solid. Completely remove any crumbly parts, dust, traces of form release agents and paints or varnishes previously applied by sandblasting.

Grout any cracks and repair any damaged parts

with products from the **Mapegrout** range.

Close any porosities and level any uneven parts of the substrate with **Mapecthick**, fine finishing mortar.

Preparing the paint

The two parts of **Mapecoat E23** must be mixed together.

Pour Part B (hardener) into Part A (resin) and mix with a low speed drill to avoid the air entraining, until completely homogeneous.

Do not use partial quantities of the parts as this may produce an imbalance in the proportions which could lead to the incomplete hardening of **Mapecoat E23**.

Applying the paint

Mapecoat E23 is applied in a single coat using the conventional methods: brush, roller, standard or airless spray. Protect from pouring rain for at least 12 hours.

Mapecoat E23 can be painted over after 24 hours.

Precaution to be observed during preparation and application

Mapecoat E23 is flammable, can cause irritation

TECHNICAL DATA (typical values)	
DESCRIPTION	
It is a two-component epoxy primer with a polyamide type hardener, has excellent bonding properties	
USAGE	
It is applied as a primer coat of the polyurethane finishing	
PROPERTIES	
Dry solid content (in volume) (%):	67 ± 2
Specific gravity (kg/dm³):	1.5 ± 0.005
Optimal thickness (µm):	40-60
Colour:	grey
Aspect:	opaque
Consumption (g/m²):	120-150 (depending on the roughness of the substrate)
Bonding to concrete (MPa):	> 3.5
PREPARATION	
Before application, the product must be mixed with the relative catalyser in the following ratios: – Part A: – Part B:	83 p. weight 72 volume 17 p. weight 28 volume
Pot life (at +20°C):	3 hours
Application:	roller, brush or mixed spray air and airless
Thinner for MAPEI adhesives (%):	approximately 3-5
Dries:	by air
Hardening at +20°C and 60% R.H.: – dry to the touch: – application over the product: – hardened in depth:	6-8 hours 6-48 hours 7 days

to the skin and eyes and is harmful under acute exposure.

It is recommended to wear protective gloves and goggles during the preparation and application of the product.

When the product is applied in closed or poorly ventilated areas, provide good ventilation. In case of contact with the eyes, wash with plenty of water and consult a doctor.

Do not apply at temperatures below +10°C.

Cleaning

Brushes, rollers or spraying equipment (airless) must be cleaned with a thinner for epoxy products before **Mapecoat E23** dries.

Consumption

120-150 g/m².

PACKAGING

25 kg units (Part A + Part B).

STORAGE

Store the product in a dry place, far from heat sources and flames, at a temperature between +5°C and +30°C.

FOR PROFESSIONALS.

WARNING

N.B. - Although the technical details and recommendations contained in this product report 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 applications: 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.

**All relevant references
of the product are available
upon request**



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