



Rev 0
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EPOTEK RASANTE

Two-component epoxy compound for cement-based substrates, skim coats and screeds at large



DESCRIPTION

EPOTEK RASANTE is a compound, made of special low-viscosity epoxy resins, that react by hardening with the specific hardener.

EPOTEK M's fluidity and composition enable an excellent anchoring on most substrates, even if finely porous.

FEATURES

Its mechanical, chemical and physical features and the absence of solvents, make the product particularly suitable for the industrial flooring industry, to realize works, in which epoxy resins, especially screeds for medium-high thickness floor are needed. EPOTEK RASANTE enables the coating and the hardening of the whole affected thickness of the concrete substrates and of screeds made of other hydraulic binders, without compromising their final properties. EPOTEK MR treatment is necessary for the support preparation, prior to the other treatments with epoxy products to facilitate the anchoring.

It is fundamental to apply the product on moisture-free substrates.

PHYSICAL PROPERTIES

State	liquid
Colour	amber
Application temperature	over + 10°C
EPOTEK RASANTE (comp. A)	2 parts in weight
EPOTEK RASANTE (comp. B)	1 part in weight
Pot-life at 25°C	1h
Dust dry	2 h
Complete hardening	24 h
Diluent	ethyl alcohol or "Jolly" solvent

ISTRUCTIONS FOR USE

Surfaces to be treated must be previously cleaned and free of non-adhering parts, greases, anti-adhesive products and surface water. However, capillary moisture is perfectly tolerated.

The two EPOTEK RASANTE components have to be accurately mixed just before they are used, according to the indicated ratios and, if necessary, it can be diluted with alcohol or an epoxy solvent, in order to adapt its viscosity to the applicative use (in any case, the solvent has to be added slowly, while stirring, until complete mixing is reached); subsequently add the mineral part by using a mechanical mixer, slowly stirring until a homogeneous mixture is reached.

Mixing ratio: A (base) : B (reagent) = 100 : 50

Binder: mineral part = loadable up to 1 : 15

Once mixed, the product can be used for approximately 45 minutes.

TECHNICAL DATA SHEET



TEKNA CHEM S.p.A.

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APPLICATION

Over new concrete: a curing period of at least 4 weeks and the support cleaning by shot peening or brushing, if there is superficial cement grout, are needed.

Over old concrete: it is essential that the surface to be treated is well cleaned. To prepare the substrate you need to perform a shot peening intervention over the entire surface.

Substrates must be pre-treated, using EPOTEK RASANTE itself as a primer, properly mixing (A and B) according to the indicated ratio.

THEORETICAL YIELD

The yield depends on the type of application:

- as a Primer (adhesion promoter), the yield is 0.3-0.5 kg/m² (A+B)
- as a mortar binder, 1 kg of resin (A+B) can bind up to 15 kg of minerals in granulometric curve.
- if used as a surface filler the yield depends on the mortar's absorption degree.

CONSERVAZIONE

Like any epoxy resin, EPOTEK RASANTE is sensitive to high humidity, under the influence of which it might become slightly turbid; in order to avoid such phenomenon, it is advisable not to live containers open. If stored in its original and undamaged package, the product can be stocked for 18 months.

PRECAUTIONS/WARNINGS

If used as primer or skim coat, the product must be applied at thicknesses under:

- 150 microns of wet film per each coat. Potential subsequent coats of EPOTEK MR itself or other treatments must be applied within 24h.

PACKAGING

EPOTEK RASANTE (comp. A)

- 10 kg in metal boxes
- 20 kg in metal boxes
- 200 kg in metal drums
- 1000 kg in IBC (intermediate bulk containers)

EPOTEK RASANTE (comp. B)

- 5 kg in metal boxes
- 10 kg in metal boxes
- 200 kg in metal drums
- 1000 kg in IBC

Special packages can be provided upon request.

LEGAL NOTICE

The information contained in this technical data sheet, even though it represents the most advanced stage of knowledge, does not exempt the user from running accurate preliminary tests under their own conditions of use and operation. We therefore decline any responsibility for the improper use of the product.



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