



S MATIÈRES
MARIUS AURENTI



Material – 08.26.2008



Mirror effect fine epoxy

Epoxy resin

Definition

This epoxy resin is a self-levelling dual component in aqueous phase. With a very fine thickness (1 to 2 mm), it meets high hygiene requirements and has high resistance to the majority of chemicals. Its hardness makes it a coating that is very resistant to blows, impacts and abrasion.

It is a product without pores and impermeable to liquids.

Field of use

For coatings in housing and industry, garages, humid premises, laboratories, farms, etc. wherever an impermeable coating without cracks is required. Also recommended in systems with primer for protection against high corrosion in a damp and aggressive atmosphere.

Preparation

For new floors it is imperative to respect the drying and reaction times of materials in compliance with the floor manufacturer's guidelines. Fine film (opaque cloud from concrete setting seepage) must be removed mechanically. Old paint applications with dirt, grease, oil and wax residue must be washed with suds. Old coatings with poorly bonded old paintwork must be removed mechanically. Widen cracks in the shape of corners. Fill with the appropriate mortar (Superior Epoxy Primer) or with a mixture of this resin and quartz in the first layer.

For problematic refurbishments and heavily used floors, you are advised to grind or sand first. Surfaces dampened by rising capillarity must first be cleaned.

Application

The implementation of MA's fine epoxy resin follows a particular system with preparation of the substrate that depends on its nature and whether it is new or old. An MA's superior epoxy primer is implemented first. This primer can have dry, fine sand added to it (up to 9/10ths of the mixture) to catch substrate irregularities (tiling with large joints, laying on non-smoothed slabs, etc.). Then resin is then applied. When components A and B are mixed, care must be taken to obtain a homogeneous mixture in the mixer. Component B (hardener) must be poured, while being stirred constantly, very slowly and at reduced mixer speed, into component A (base). For floors on which the non-slip effect must be increased, it is possible to add marble granules at the time of application to layers that are still liquid. The granule surplus must be removed after drying and a varnish finish layer must be applied. Implementation is done with a large bow trowel with pointed notches (6x6mm) in one or two layers. Finally, the finish is done with varnish no. 6 Extrem. This system is detailed during training and must be implemented by a qualified professional.



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Application precautions

During application, the minimum temperature of the substrates must be 10 °C and the maximum humidity must be 5%. Air humidity must be a maximum of 80% and the temperature between 10 °C and max 25 °C. Otherwise brilliance, colour and equalization imperfections may be visible.

Drying

Dust-free after 4 hours/Dry to the touch after 8 hours/Practicable and re-coverable after 12 to 24 hours/Complete drying after 36 hours/Resistant to chemicals, pressure and loads after 7 days (depending on the temperature, humidity and air circulation and application thickness)

Output

1 x from 1.5 to 2 kg per m²

Mixing ratio

Four parts in weight comp. A and one part in weight comp. B (4:1).

Time of use

20 minutes at 20 °C after mixing components A and B.

Application

Sharp-toothed trowel (6x6 mm).

Cleaning

Tools to be cleaned immediately with Epoxy thinner.

Viscosity

Comp. A : 1500-2000 mPa. s/Comp. B : 50-150 mPa. s
Comp. A + B : 1500-2000 mPa. s

Density

Comp. A : 1,6 ± 0,1 g/cm³. Comp. B : 1,11
0,1 g/cm³. Comp. A + B : 1,51 0,1 g/cm³

Solid matter 2

Comp. A : 93 ± 0.1%. Comp. B : 88 ± 0.1%
Comp. A + B : 92 ± 0,1%

Substrate binder

Epoxy resins and polyamide hardener.

Appearance

Brilliant.

Colour

4 standard colours and 25 on quantities from 200 kg.

Classification

Comp A : free toxicity class, OFSP T N° 58192
Comp B : toxicity class 4, OFSP T N° 3308.

Avoid contact with the skin. Use gloves and protect the body with clothing that covers well. After any accidental contact with the eyes or mucous membranes, wash immediately with hot water, rinse thoroughly with clean water and imperatively consult a doctor. The final appearance and homogeneity of the product colour depend on the regularity of the substrate and mixing as well as the implementation conditions. Store products in a dry room away from frost and intense heat. All the information given in this technical sheet is given as for information only and shall not incur our responsibility. Tests must be carried out.