

MonniPrime EF

Solvent Free High Performance Epoxy Primer

Product Description

MonniPrime EF is two components solvent free low viscosity epoxy primer. It has an outstanding adhesive bond between the substrate and the epoxy or polyurethane floor coating.

MonniPrime EF adheres to a variety of substrate and can be applied as scratch coat with the addition of graduated sand.

Uses

- ▶ MonniPrime EF is used as an adhesion coat on supports like steel, concrete, ceramics, plastic, before other protective or waterproofing coatings, such as, Epoxy or Polyurethane applications
- ▶ When diluted with 20% SOLVENTE10, it can be applied on porous and absorbent surfaces to improve the surface strength

Advantages

- ▶ Good penetration to substrate
- ▶ Excellent mechanical properties
- ▶ Excellent water resistance
- ▶ Excellent adhesion to concrete, timber, granolithic screeds, masonry paving, mild steel etc.

Usage Instructions

Surface Preparation

The surface should be sound, clean, dry and free from loose and flaking materials, efflorescence, laitance, curing compounds, dirt, oil, grease or other contaminants. Mechanical methods like grinding or grit/captive blasting in order to provide a suitable profiled open textured surface is strongly recommended.

New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. Old or existing floor should be refurbished mechanically to ensure clear sound substrate.

Surface irregularities and blow holes shall be repaired with MonniFinish EC, a solvent free epoxy resin repair mortar. Allow the applied material to harden. After all preparation is complete, ensure dust is removed from the surface using an industrial vacuum.

Expansion joints shall be repaired using MonniMort HS, a High strength solvent free epoxy mortar.

New concrete or cementitious surfaces should be allowed to cure and have moisture content not exceeding 5%. Old or existing floor should be refurbished mechanically to ensure clear sound substrate.

Mixing

For preparation of product, pour component B (hardener) into component A (resin) and mix carefully with electric mixer at low number of turns, till obtaining a homogeneous mix. It is always recommended to mix a complete kit at a time.

Application

Apply the product with a brush or roller or squeegee in its pure state at a rate of 4-5m²/Liter per coat. This rate might vary depending on surface conditions. The primer must be well scrubbed into the substrate to ensure full coverage. Allow the primer to cure (6-8

hrs) before applying subsequent coats. If the primed surface is not overcoated within 24 hours, a fresh coat of primer has to be applied again.

For metal supports it is necessary to apply MonniPrime FF as soon as possible after the sandblasting in order to avoid the oxidation process start again.

Cleaning

Clean tools with SOLVENTE 10 promptly before material hardens. Cured material must be mechanically removed.

Technical Data

Category	Typical Values
Appearance	Liquid
Color	Clear to yellowish
Mix Density	1.05 kg /L @ 25°C
VOC	13.0 g/L
Viscosity at 25oC	800 - 1000 mPa's
Pot-life time at 25°C	60 minutes
Drying time at 25°C	4 hours
Recoatable after	6 hours at 40°C 12 hours at 20°C

All values are subject to 5-10 % tolerance

Consumption

4-5 m² / liter per coat according to the porosity of the support

Packaging

MonniPrime EF is available in 4 and 15 Liter packing

Shelf Life & Storage

Store the product in dry closed place with temperature between +5°C and +35°C. In these conditions, the product maintains its stability for 12 months.

Health & Safety

Avoid contact with skin & eyes. Protective clothing such as gloves & safety goggles should be worn during application.

Treat any splashes to the skin or eyes with fresh water immediately.

Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Ensure adequate ventilation at site and avoid inhalation of vapors.

Legal disclaimer

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