



TECHNICAL DATA SHEET

EPOXY EM PRIME Solvent Free Epoxy Primer

EtepoX Solution Ref. ESSB 15/10

Product Description

EPOXY EM PRIME is a 2 component solvent free epoxy primer with low viscosity, excellent penetrating properties even into damp concrete substrate

Typical Uses

EPOXY EM PRIME is recommended as a primer for concrete surface prior to application of concrete substrate, membranes, mortar or topping. EPOXY EM PRIME also can be use in workshops, warehouses and mechanical rooms to prevent dusting. Exhibit excellent adhesions between mortar and the concrete substrate.

Benefits

- 1) Compatible with wide range of top coats.
- 2) Low odor during application.
- 3) Damp tolerant
- 4) Deep penetrating into concrete substrate to avoid peeling.

Physical Data

1. Colors	Clear	8. Mixing ratio(kg) by weight	A:B 4:1
2. Density at 28°C g/ml(mixed)	1.00±0.05g/cm ²	9. Pot life at 28°C	40min
3. Viscosity at 28°C (mixed)	1000±200 cps	10. Packing size (2 components)	5kg & 20kg
4. Adhesive Strength	>2.0Mpa (Concrete failure)	11. Shelf life & storage (unopened and in good conditions temperature 5°C to30°C)	24months
5. Number of Coats	1 or 2	12. Material consumption	0.2kg/m ²
6. Recommended D.F.T Per coat	100(+/-)5µ	13. Drying time	4 hours
7. Cleaner	Washing Thinner	14. Foot traffic (Good Ventilation)	24 hours

Substrate Requirement & Preparation

Substrate concrete or screed should be a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm² (concrete failure)

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.

Crack and hollows should be properly remedied.

Rough contaminations and high spots can be removed by grinding. The substrate should be clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product.

Mixing

Pour total Part B into the Part A container and mix both liquid part thoroughly for one minute by using a suitable electrical stirrer (with 750 watt high power mixer) until a fully homogenous mix has been achieved

Application

Apply EPOXY EM PRIME can be use by suitable roller, brush or trowel and overwork with a roller.
Epoxy Em Prime should apply within the pot life 45 minutes at 28°C
Substrate temperature should not apply 5°C above the dew point.

Cleaning Of Tools

Clean all the tools and application equipment with washing thinner before the product hardens.

Maintenance And Care After Cure

We recommend basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent.

Further Information

Warning and precautions information relating to the safe handling of this product should be found in Material Safety Data Sheet. To be advise to put on suitable clothing and eye-ware for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.