



TECHNICAL DATA SHEET

EPOXY WB PRIME Water Base Epoxy Primer

EtepoX Solution Ref. ESSB 15/10

Product Description

EPOXY WB PRIME is a 2 components solvent free water dispersed primer base on epoxy resin.

Typical Uses

New and hardened concrete substrate. Epoxy and polyurethane floor coating.

Benefits

- 1) Extremely good adhesion on concrete surfaces and most substrate.
- 2) Less sensitive and tolerant with moisture when during application.
- 3) Environmentally friendly, zero VOC
- 4) Solvent free, odor less.
- 5) Easy to apply.

Physical Data			
1. Colors	White	9. Mixing ratio by weight A:B	4:1
2. Density at 28°C g/ml(mixed)	1.00±0.2g/cm ²	10. Pot life at 28°C	30min
3. Viscosity at 28°C (mixed)	1000±200 cps	11. Packing size (2 components)	5kg & 20kg
4. Solid Content (mixed)	60%	12. Shelf life & storage (unopened and in good conditions temperature 10°C to30°C)	12months
5. Application Thickness D.F.T.	150µ±20µ	13. Recoating time at 28°C	within 14 to 18 hours
6. Number of coats	1 or 2	14. Material consumption : (Diluted with water 15% by weight)	0.23kg/m ²
7. Bond strength	>2.0 Mpa (Concrete failur)	15. Estimated coverage at 150µ/coat	4.5m ² /kg
8. Cleaner	Water		

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

Stir Part A mix for 30seconds by using a suitable electrical stirrer (with 750 watt high power mixer), then add all of Part B (Hardener) and mix both liquid parts thoroughly for one minute until it fully achieved a homogeneous, then slowly add 5% of clean water while mixing continues for a further one minute 30seconds until a fully homogenous mix has been achieved

APPLICATION

Apply **EPOXY WB PRIME** can be use by suitable roller, brush or trowel and overwork with a roller.
EPOXY WB PRIME should apply within the pot life 30minutes at 28°C
Substrate temperature should not apply below 5°C and temperature above 40°C.

THINNING

Up to 5% of clean water to help better penetration and workability.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use.

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.

