



TECHNICAL DATA SHEET

EPOXY WB Water Base Epoxy

Etepox Solution Ref. ESSB 15/10

Product Description

EPOXY WB is a colored, water dispersed ready to use two component epoxy coating.

Typical Uses

Ideal for use as wall, floor and steel surface coating, for protection of surfaces against dusting, rusty, non-porous, jointless sealings that are permeable to water vapour. These coatings are easily cleaned and highly resistant to fuels and lubricants as well as most solvents and many chemicals. Proven material for food, assembly plant, pharmaceutical, warehouses, car parks, clean room environment and light industrial area where is hygiene

Benefits

- 1.Can be primer and top coated.
- 2.Less sensitive and tolerant with moisture when during application.
- 3.Environmentally friendly, zero VOC, solvent free, odorless.
- 4.Extremely good adhesion on concrete surfaces and most substrate.
- 5.Complied with BS 6920 requirement.
- 6.Out-gassing: Low contain of amine, ammonia and toxic gases after cured

| Physical Data | | | |
|---------------------------------|--------------------------------|--|-----------------------|
| 1. Colors | Wide Range | 9. Abrasion resistance | Loss 5mg |
| 2. Density at 28°C g/ml(mixed) | 1.45 g/ml | 10. Mixing ratio by weight A:B | 4:1 |
| 3. Viscosity at 28°C (mixed) | 3500±500 cps | 11. Pot life at 28°C | 30min |
| 4. Solid Content (mixed) | 78% | 12. Packing size (2 components) | 5kg & 20kg |
| 5. Application Thickness D.F.T. | 200µ | 13. Shelf life & storage (unopened and in good conditions temperature 5°C to30°C) | 12months |
| 6. Number of coats | 2 or 3 | 14. Recoating time at 28°C | within 18 to 24 hours |
| 7. Bond strength | >1.5 Mpa (Concrete failur) | 15. Material consumption : (Diluted with water 10% by weight) | 0.23kg/m ² |
| 8. Cleaner | Water | 16. Estimated coverage at 150µ/coat | 3.3m ² /kg |

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** can be use by suitable roller, brush or spray.

EPOXY WB should apply within the pot life 30minutes at 28°C

Substrate temperature should not apply below 10°C and temperature above 45°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.