



E1A + E1BW

2 PARTS WATER BASED EPOXY FOR CEMENT FLOOR COATING.



E 1 A RESIN Solvent Free Clear Epoxy for Priming Concrete.

E 1 BW Hardener Water Based

USES

1. E1 BW can be injected or coated over hairline cracks and cavities in building.
2. E1 BW can be used as a primer, sealer for porous concrete surface.

FEATURES

1. E1 BW is a high viscosity epoxy.
2. E1 BW can adhere to all dry and damp surfaces concrete surface, except for rubber and plastic.

Mix Ratio: E1 A Resin + E1 BW Hardener = 1 + 1

APPLICATION METHOD:

For Cement floor Priming and Coating:

Mix Ratio E1 A Resin + E1 BW Hardener + Water + (Cement + Sand = 3 + 2)
= 1 + 1 + 2 + 6.6 by weight

1. Mix A + B with a drill-mixer for 3 to 5 minutes, add Water mix till it turn white, add the Cement Mix.
2. After mixing, Use the MIX within 40 minutes, before it started to gel and thicken.
3. Ensure surfaces are clean and of Medium Rough finishes to provide better bonding.
4. Etching with DCK100 CITRIC KLEEN will provide better surface bonding.
5. Very smooth surface like polished marble, ceramic tile does not provide a good bond, as Epoxy tend to develop surface tension during the curing process, causing the epoxy to peel.
6. The Cement-Epoxy coating is tough to take heavy load, and wear. Ideally for repairing pot hole and depression in the factory floor.

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2 PARTS WATER BASED EPOXY FOR CEMENT FLOOR COATING.

- Reduce dosage of **E 1 BW Hardener** will improve clarity and hardness of the cure resin, reduces setting time.
- Higher dosage of **E 1 BW Hardener** will increase flexibility and an opaque finishes.

TECHNICAL DATA

- Pot Life 40 minutes
- Tack Free Time 2 hours @20 °C
- Hardening Time: 18 hours
- Fully Cure Time 7 days
- Density 1167kg/m³
- Viscosity 539.1 (25 °C, poises)
- Adhesive Strength: 5.57 N/mm² Metal Surface
5.8 N/mm² Concrete Surface
- Tensile Strength: 5.64 N/mm² @7 Days
- Compressive Strength: 28.64 N/mm² @ 7 Days
- Slant Shear Bond Strength: 21.2 N/mm² @14 Days
- Heat Deformation Temp: 50 °C
- Salt Water Resistance: No damage
- Alkali Resistance: No damage
- Weather Resistance: Pass
- Acid Resistance (10% H2SO4) Acceptable
- pH: 3
- Colour: Cured resin is White in colour with a Light Yellow tint.
- **Mix Ratio:** 1 : 1

CAUTION:

- **Curing Agent will cause skin irritation. Please apply Barrier Cream to reduce skin contact. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**
- **Customer is advised to carry out a test by mixing & coating on a spot. Our liability is limited to the material only.**

PACKING

1 set consists of

E 1A Resin 1 kg in 1 litre-tin

E 1 BW Hardener 1 kg in 1 litre-tin

E 1A Resin 3 kg in 3 litre-tin

E 1 BW Hardener 3 kg in 3 litre-tin

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