



E1A + E1BW

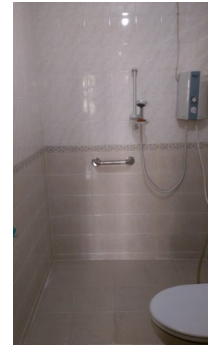
WATER DILUTE-ABLE EPOXY

E 1 A RESIN Clear Epoxy Resin
E 1 BW Hardener Water Dilute-able



USES

- Injection:** Can be injected or coated over hairline cracks and cavities in building.
- Primer:** Used as a primer, sealer for porous concrete surface.
- Tile Grout:** Added into Colour Grout for tile pointing, thus reduces bacteria growth and foul smell.
- Crack & Leak Repair:** Mix with fast setting cement to stop leak.



FEATURES

- E1 BW** is a high viscosity epoxy.
- 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:

A. 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

- Mix **A + B** with a power-mixer for 3 to 5 minutes, add Water mix till it turn white, add the Cement Mix.
- After mixing: use the MIX within 40 minutes.
- Ensure surfaces are clean and of Medium Rough finishes to provide better bonding.
- Etching with **DCK 100 CITRIC KLEEN** will provide better surface bonding.
- 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.
- The Cement-Epoxy coating is tough to take heavy load, and wear. Ideally for repairing pot hole and depression in the factory floor.

B For Tile Colour Grout:

= E1 A + E1 BW + Water + Colour Grout
 = 1 + 1 + 1 + 6 by Volume

- Power Mix **A + BW** for 5 minutes, before stirring in the Grout Powder. Adding water as needed.
- For vertical surface, a thick paste is needed by adding in more Grout powder.
- After grouting, clean the tile face thoroughly with 3M cleaning pad, detergent and cloth.
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TECHNICAL DATA

- Pot Life 40 minutes
- Tack Free Time 2 hours @20 °C
- Hardening Time: 18 hours
- Fully Cure Time 7 days
- Density 1167 kg/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
- Hardness: 2 H
- 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.



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 |

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