



# E1A + E1BW

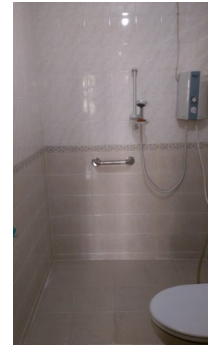
## WATER DILUTE-ABLE EPOXY

**E 1 A RESIN**                      **Clear Epoxy Resin**  
**E 1 BW Hardener**                **Water Dilute-able**  
**Mix Ratio:**                        **A + BW = 1 + 1**



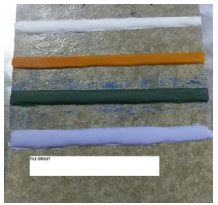
### USES

- 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.



### 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 + Colour Grout  
 = 1 + 1 + 6 by Volume

- Power Mix **A + BW** for 5 minutes, before stirring in the Grout Powder. Adding water as needed. Water will slow down the curing.
- 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.

#### C. Coating: just mix A + E1BW, do not add water.

## WARRIOR PTE LTD

Blk 17 Marsiling Industrial Estate Road 1 # 01-11 Singapore 739279

Tel: (65) 6364 5100

Fax: (65) 6364 0629

[war99@singnet.com.sg](mailto:war99@singnet.com.sg)

[www.warrior.com.sg](http://www.warrior.com.sg)





# E1A + E1BW

## WATER DILUTE-ABLE EPOXY



### 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/m<sup>3</sup>
- Viscosity 539.1 (25 °C, poises)
- Adhesive Strength: 5.57 N/mm<sup>2</sup> Metal Surface  
5.8 N/mm<sup>2</sup> Concrete Surface
- Tensile Strength: 5.64 N/mm<sup>2</sup> @7 Days
- Hardness: 2 H
- Compressive Strength: 28.64 N/mm<sup>2</sup>@ 7 Days
- Slant Shear Bond Strength: 21.2 N/mm<sup>2</sup> @14 Days
- Heat Deformation Temp: 50 °C
- Salt Water Resistance: No damage
- Alkali Resistance: No damage
- Weather Resistance: Pass
- Acid Resistance (10% H<sub>2</sub>SO<sub>4</sub>) 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

**Disclaimer:** The information provided in this brochure is ensured to be as accurate as possible at the time of inclusion, however there may be inadvertent and occasional errors which may have slipped from our notice. Warrior Pte Ltd does not guarantee and make no representations or warranties of any kind about the information, advice and opinions provided and reserves the right to make changes and corrections at any time, without prior notice to any parties. Warrior Pte Ltd accepts no liability for any inaccuracies or omissions in its brochure and any decisions made based on information and opinions contained in the brochure is the sole responsibility of the user.

## WARRIOR PTE LTD

Blk 17 Marsiling Industrial Estate Road 1 # 01-11 Singapore 739279

Tel: (65) 6364 5100

Fax: (65) 6364 0629

[war99@singnet.com.sg](mailto:war99@singnet.com.sg)

[www.warrior.com.sg](http://www.warrior.com.sg)

