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# **TECHNICAL DATA SHEET**

# Epoxy 5244

### Description

**Epoxy 5244** is two-component solvent free epoxy resin, special designed as bonding agent for metal, plastic, rubber, concrete ...etc. The cured resin exhibits several outstanding properties such as high bonding strength to a wide range of substrate, high mechanical strength, outstanding resistant against water and chemicals, negligible shrinkage ...etc.



## Recommended Application

It is intended to use as bonding agent for metal, plastic, rubber, concrete (includes damp concrete, old and new concrete); If mixed with quartz sand, it can be used as epoxy mortar for patching compound.

Base Color Finish

Resin and polyamide hardener yellow brown viscous liquid Semi-gloss

### Application Data

Solid Content : 100%

Mixing Ratio

Base component : Hardener component = 1:0.8 by weight

Lowest Application Temp :  $5^{\circ}C$ 

Drying Time : Pot life : 1 hour (100 gram at 25°C)

Touch dry : 2 hours x 25°C Hard dry : 6 hours x 25°C

Full cured : 7 days

Overcoating Time : 6 hours

### Recommended Film Thickness

Depends on application

Cleaning

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<sup>\*\*</sup> All the information is provided on the basic in good faith, and is believed to be trustworthy but is for reference only. Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. UEA and its agents, dealers, distributors, directors and employees cannot accept any liability for the results whatsoever arising from the use of UEA's products due that the utilization of these products is simply out of UEA's control. The users are responsible for selecting the suitability of the products and methods of use.

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### Delivery, storage and handling

Approx. 12 months in their original, unopened packages, and protected from exposure to the elements.

## Application Method

- 1. Surface treatment: The surface to be bonded should be dry, clean and sound.
- 2. Mix Part A and Part B according to the mixing ratio and then apply to the surface to be bonded.
- 3. Wait until it dry for 6 hours.
- 4. Add some quartz sand or cement for sealing cracks or filling hole for reducing cost.

### Technical Data

Shore D hardness : 80

Bend strength : 800 kg/cm<sup>2</sup>
Tensile strength : 540 kg/cm<sup>2</sup>
Compressive strength : 700 kg/cm<sup>2</sup>
Adhesive Strength (Fe - Fe) : 180 kg/cm<sup>2</sup>

Heat destroy temperature :  $65^{\circ}C$ 

#### Health and Safety

The product above contains polyamide hardener and is harmful to eyes and skin. Use protective clothing and rubber gloves.

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