



# 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

Resin and polyamide hardener

#### Color

yellow brown viscous liquid

#### Finish

Semi-gloss

### Application Data

Solid Content : 100%

Mixing Ratio

Base component : Hardener component = 1 : 0.8 by weight

Lowest Application Temp : 5°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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TH-500

### **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°C

### **Health and Safety**

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