

### DESCRIPTION

RMS Epoxybond is a thixotropic, solvent free Epoxy adhesive ideal for bonding a wide range of building materials to one another e.g. concrete, brick, metal, stone and wood. RMS

Epoxybond has a high level of mechanical integrity and exhibits excellent bonding characteristics even under damp conditions. RMS

Epoxybond is easy to mix and apply and requires no primer.

### TYPICAL USES

RMS Epoxybond is a versatile Epoxy paste adhesive being particularly suitable for all general-purpose bonding operations. RMS

Epoxybond may also be used for thin section concrete repairs.

### ADVANTAGES

- Colour coded components to ensure correct mixing.
- Excellent adhesion to most building materials
- Bonds to damp substrates
- Low odour
- Thixotropic nature facilitates application in both vertical and overhead locations.
- Very good chemical properties and cohesive strength.
- Resistant to water, weathering, and a wide range of chemicals.
- No primer required.
- Creep resistant

### TYPICAL PROPERTIES

Pot life @ 20C: 50 Minutes

Colour: Light Grey

Specific Gravity: 1.5g/cm<sup>3</sup>

Compressive Strength: 40MPa (1 day @ 20°C)

75MPa (7 days @ 20°C)

Tensile Strength: 18MPa

Moisture resistance: <0.4% increase @ 28 days (BS 6319: part 8)

Lap Shear Strength to grit blasted steel: 14MPa<sup>2</sup>

Shrinkage on curing: Negligible

Hold up: >15mm

Application temperature range: 3°C-30°C

### PROCEDURE



### SURFACE PREPARATION

a) Concrete substrates shall be sound, clean, and free from dust, dirt, grease, oils, laitance and other contaminants. A roughened or profiled surface will ensure optimum adhesion.

b) Mild steel and other metallic substrates shall be degreased, power wire brushed, or grit blasted and vacuumed free from dust.

c) other substrates shall be sound, clean and free from dust, dirt, grease, oil and any oxidised surface layer.

### MIXING

The Base and Curing Agent components shall be thoroughly mixed together using a stiff spatula or a slow speed drill with paddle attachment until a uniform grey mixture has been produced.

# PRODUCT DATA SHEET

## | EPOXYBOND



### APPLICATION

The application of RMS Epoxybond is best achieved using a spatula, trowel, serrated trowel or stiff bristled brush depending on the area to be treated.

### BONDING SURFACES TOGETHER

RMS Epoxybond shall be applied to each of the two surfaces to be bonded. The surfaces are then pushed together to achieve the required bond thickness. Excess adhesive should be removed and the joint protected from movement until the resin has set.

### PATCH RAPAIRS

Scrape or 'knife in' the RMS Epoxybond and finish with trowel, palette knife or spatula.

Note: For more inaccessible areas, RMS Epoxybond may be placed into empty cartridges and injected/'gunned' into place using a standard sealant gun.

### EQUIPMENT CLEANING

Clean equipment with RMS Toolclean prior to curing of the coating

### CURING

RMS Epoxybond will be hard dry following 10-12 hours cure @ 20°C. At higher temperatures, this period will be reduced and at lower temperatures this period will be increased.

Allow 7 days for optimum mechanical properties and full chemical resistance.

### STORAGE & SHELF LIFE

Store in dry conditions at temperatures between 10°C and 25°C.

Protect from frost.

RMS Epoxybond has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

### COVERAGE

Dependent on application

### LIMITATIONS

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 3°C or less.

### HEALTH & SAFETY

Wear gloves and goggles

Wash off splashes immediately with soap and water

Please refer to Material Safety Data Sheet for additional information.

RMS Epoxybond shall be applied strictly in accordance with the manufacturer's instructions.

### DOCUMENT VERSION

**VERSION: 2**

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The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on RM Suppliers' current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).  
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