

### **Description**

Resbuild EBM is a thixotropic, solvent free Epoxy bedding mortar ideal for bonding a wide range of building materials to one another e.g. concrete, brick, metal, stone and wood.

Resbuild EBM has a high level of mechanical integrity and exhibits excellent bonding characteristics even under damp conditions. Resbuild EBM is easy to mix and apply and requires no primer.

### **Typical Uses**

Resbuild EBM is a versatile thixotropic mortar being particularly suitable for bedding tiles and fixing slip bricks to concrete

Resbuild EBM may also be used for thin section concrete repairs and bolt fixing in walls or overhead.

### **Advantages**

- a) High Strength
- b) Excellent adhesion to most building materials
- c) Bonds to damp substrates
- d) Low odour
- e) Non-slump
- f) Thixotropic nature facilitates application in both vertical and overhead locations
- g) Very good chemical properties and cohesive strength
- h) Resistant to water, weathering and a wide range of chemicals
- i) No primer required
- j) Creep resistant
- k) Easy to trowel

### **Typical Properties**

Pot life @ 20°C: 50 Minutes

Colour: Light Grey

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

Compressive Strength: 30MPa (1 day @ 20°C)  
60MPa (7 days @ 20°C)

Tensile Strength: 8N/mm<sup>2</sup>

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

Lap Shear Strength to grit blasted steel: 12MPa.

Shrinkage on curing: Negligible

Hold up: >15mm

Application temperature range: 3°C-40°C

### **Packaging**

Resbuild EBM is supplied in 10kg packs, each of which yields 5.7 litres of mortar.

### **Procedure**

#### **Surface Preparation**

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

#### **Application**

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

#### **a) Bonding Surfaces Together**

Resbuild EBM should 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.

#### **b) Patch Repairs**

Scrape or 'knife in' the Resbuild EBM and finish with trowel, palette knife or spatula.

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

#### **Equipment Cleaning**

Clean equipment with Resbuild Toolclean prior to curing of the mortar.

#### **Curing**

Resbuild EBM will be hard dry following 6-8 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 and Shelf Life**

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

Protect from frost.

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

**Coverage**

A 10kg pack yields 5.7 litres of mortar, sufficient to cover 2.85m<sup>2</sup> at a thickness of 2mm.

**Limitations**

Do not apply to wet or uncured concrete surfaces.

Do not apply at temperatures of 3°C or less.

**Health and Safety**

Wear gloves and goggles

Wash off splashes immediately with soap and water

Please refer to Material Safety Data Sheet for additional information

Resbuild EBM shall be applied strictly in accordance with the manufacturer's instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on Resin Building Products Limited 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).