

### **Description**

Resbuild Fastpatch is a high strength, trowel applied, two component Epoxy resin mortar, designed for rapid and permanent repairs to concrete and masonry surfaces. Resbuild Fastpatch is a blend of Epoxy resin, Polyamine curing agent, graded aggregate and colour pigments. The mixed material is applied to a suitably prepared surface, and quickly cures to form a durable, abrasion and chemical resistant repair.

### **Typical Uses**

Repairs to spalled or damaged concrete; chemical bunds; bedding pre-cast concrete beams; nosings on expansion joints; floor repairs.

### **Advantages**

- Pre-packed units – ready to use
- Fast curing characteristics
- Impact and abrasion resistant
- Frost resistant and impervious to water
- Excellent mechanical properties
- Unaffected by a wide range of acids, and industrial chemicals
- Negligible shrinkage
- High bond strength – no primer required
- Cures under damp, cool conditions

### **Typical Properties**

Colour: Light grey (other colours available upon request)  
Density: 2000kg/m<sup>3</sup>  
Pot Life: 40 minutes @ 20°C  
Adhesion to concrete: 3.9MPa (concrete failure)  
Compressive Strength: 76MPa  
Taber abrasion resistance: 40mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)  
Maximum Service Temperature: 70°C continuous

### **Packaging**

Resbuild Fastpatch is supplied in 5kg and 10kg packs.

### **Procedure**

#### **Surface Preparation**

Remove all laitance, spalled concrete, grease, oil, dust, and other contaminants by scabbling or bush hammering, to provide a sound, clean, substrate.

Any exposed reinforcing steel shall be fully exposed by cutting out around its full circumference, and cleaned by abrading or grit blasting to remove rust, scale, etc.

#### **Priming**

Primer not normally required. For exceptionally porous surfaces, please contact our Technical Department for specific advice.

#### **Mixing**

Resbuild Fastpatch is supplied as a two component pack. Each component is pre-weighed and ready to mix.

The contents of the CURING AGENT should be added into that containing the BASE and the two components thoroughly mixed, by spatula or low speed drill/stirrer, or forced action mixer.

#### **Application**

Apply the Resbuild Fastpatch by tamping and trowelling to ensure good compaction and a tight finish. The material should not be feather edged. Maximum thickness in horizontal applications is 50mm. For vertical applications the material may be built up in layers not exceeding 6mm.

(See also Resbuild HB Mortar data sheet)

#### **Equipment Cleaning**

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

#### **Curing and Overcoating**

Resbuild Fastpatch will have hardened sufficiently after 5-6 hours cure @ 15-20°C to allow full trafficking.

Longer periods of cure will be necessary at lower temperatures. Full mechanical and chemical resistant properties will be achieved after 3 days cure @ 20°C. It is preferable to apply a sealer coat if exposure to chemicals is likely.

Please consult our Technical Department for specific recommendations.

**Storage and Shelf Life**

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

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

**Coverage**

A 5kg pack of Resbuild Fastpatch yields 2.5 litres of material, sufficient for 0.5m<sup>2</sup> @ 5mm thickness. (10kg pack pro-rata).

**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.  
Any eye contamination must be rapidly irrigated with copious amounts of water, and immediate medical attention sought.  
Please refer to Material Safety Data Sheet for additional information.

Resbuild Fastpatch 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).