

**Description**

Resbuild MMA Floorpatch is a fast curing, high strength, trowel applied, three component Methacrylate resin mortar, designed for rapid and permanent repairs to concrete and masonry surfaces.

**Typical Uses**

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

**Advantages**

- Resilient
- Very good chemical resistance
- Excellent adhesion
- Fast curing, even at low temperatures
- Impact and abrasion resistant
- Frost resistant and impervious to water
- Excellent mechanical properties

**Typical Properties**

Colour: Light grey (other colours can be supplied upon request)

Density: 2,010kg/m<sup>3</sup>

Pot life @ 20°C: 20 Minutes

Compressive strength: 45MPa

Taber abrasion resistance: 45mg weight loss (CS17 wheels; 1kg loads; 1,000 cycles)

Adhesion to concrete: 3.7MPa (concrete failure)

Temperature range during application: -10°C\* to + 40°C

Temperature range during service: -40°C to + 50°C

\*Refer to our Technical Department for advice

Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, and diesel. For specific advice please consult our Technical Department.

**Packaging**

Resbuild MMA Floorpatch is supplied in 10kg packs

**Procedure****Surface Preparation**

Remove all laitance, spalled concrete, grease, oil, dust, and other contaminants by scabbling, bush hammering, or other mechanical treatment, to provide a sound clean substrate. Any exposed reinforcing steel shall be fully exposed by cutting out around its full circumference, and cleaned by hand abrading or wire brushing to remove rust, scale, etc., and primed with a coat of Resbuild MMA Primer

**Priming**

The prepared concrete surface, together with the pre-primed re-bars, shall be primed by the application of Resbuild MMA Primer. The mixed Resbuild Primer should be applied by brush or roller at a nominal rate of 0.2 – 0.3kg/m<sup>2</sup>, depending upon surface profile. Allow the primer to cure for a minimum of 40 minutes.

**Mixing**

Resbuild MMA Floorpatch is supplied as a three component product consisting of the BASE component, the CATALYST component and the AGGREGATE component.

The contents of the BASE and CATALYST component should be thoroughly mixed together and the AGGREGATE then introduced.

A low speed drill stirrer or a forced action mixer such as a Mixall, Pennine or Creteangle type, will be suitable.

**Application**

Resbuild MMA Floorpatch should be applied by tamping and trowelling to ensure good compaction and a tight finish.

The material should not be feather edged.

Minimum application thickness is 4mm.

**Equipment Cleaning**

Clean equipment with Resbuild MMA Toolclean immediately after use.

**Curing**

Allow a minimum cure time of 1 hour @ 20°C prior to foot trafficking and 2 hours @ 20°C prior to full trafficking.

**Storage and Shelf Life**

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 20°C.

Adequate ventilation of the storage area should be provided.

Keep container tightly closed when not in use

Resbuild MMA Floorpatch has a minimum shelf life of 6 months when stored in original, unopened containers in accordance with manufacturer's instructions.

**Coverage**

A 10kg pack yields 5 litres of mortar, sufficient for 1m<sup>2</sup> @ 5mm thickness.

**Limitations**

Do not apply to wet, uncured or unprimed concrete surfaces.

Resbuild MMA Floorpatch will taint food during application, so that all foodstuffs in the immediate vicinity must be removed or properly covered.

**Health and Safety**

Resbuild MMA Floorpatch is flammable during application, so that adequate safety precautions should be observed.

Avoid contact of the material with skin and eyes.

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information

Resbuild MMA Floorpatch shall be applied strictly in accordance with the manufacturer's instructions

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

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).