

### Description

Resbuild MMA Colour Coat is a two pack, fast curing coating designed to provide a dust-free, seamless floor finish with protective and decorative properties. The inherent slip resistance of the coating may be enhanced by the incorporation of a suitable anti-slip dressing aggregate.

Resbuild MMA Colour Coat allows a fast return to service.

### Typical Uses

As an abrasion and chemical resistant floor coating.  
As a tough, decorative finish coat for Resbuild MMA Smoothscreed.

### Advantages

- Tough and abrasion resistant
- Colour Stable
- Very good chemical resistance
- Rapid curing minimises down times
- Suitable in wet areas
- Hygienic and easily cleaned
- Cures at low temperatures
- Hot water and fat resistant to 80°C

### Typical Properties

Colour: Grey and Red as standard (any BS4800 or RAL colour can be supplied upon request)

Pot life @ 20°C: 15-20 Minutes

Pot life @ 10°C: 25-30 minutes

Tensile strength: 20N/mm<sup>2</sup>

Elongation at break: 2%

Flexural strength: 37N/mm<sup>2</sup>

Adhesion to concrete: 3.8N/mm<sup>2</sup>(concrete failure)

Adhesive strength to grit blasted steel: 12N/mm<sup>2</sup>

Temperature range during application: -20°C to +40°C

Temperature range during service: -20°C to +80°C

Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, diesel, vegetable oils, and fruit juices.

For specific advice please consult our Technical Department.

### Packaging

Resbuild MMA Colour Coat is supplied in 5kg packs

### Procedure

#### **Surface Preparation**

Concrete surfaces shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, and existing paint finishes, etc. Blow holes and defective concrete shall be made good using a proprietary repair compound e.g. Resbuild MMA Floorpatch. Suitable mechanical treatment, such as vacuum grit blasting, is the preferred treatment prior to application as this ensures a mechanical 'key' which will optimise adhesion. Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish Standard. All dust shall be removed prior to coating application. A coat of MMA Steelprime shall be applied as soon as practicable after blasting, in order to obviate the possible occurrence of 'flash rusting'.

#### **Priming**

Concrete surfaces shall be primed with a coat of Resbuild MMA Primer, applied by brush or roller, at a nominal rate of 0.3kg/m<sup>2</sup>. Long nap lambswool rollers are recommended for primer application. Allow primer to cure for a minimum of 40 minutes. Steel surfaces shall be primed with Resbuild MMA Steelprime as soon as practicable after blasting.

#### **Mixing**

Resbuild MMA Colour Coat is supplied as a two pack material consisting of the RESIN component, and the CATALYST component,. Incorporate the CATALYST component into the BASE component under mechanical stirring, and mix for 1-2 minutes.

#### **Application**

Apply Resbuild MMA Colour Coat using short nap perlon, or smooth lambswool rollers at a nominal rate of 0.30kg/m<sup>2</sup>. Following a minimum of 1 hour apply a second coat at the same nominal rate. Should a slip resistant or skid resistant finish be required then broadcast an appropriate aggregate onto the first coat within 10 minutes of application. Following a minimum of 1 hour, sweep off excess aggregate and apply a second coat of Resbuild MMA Colour Coat.

NOTE: Resbuild MMA Colour Coat may be applied at greater thicknesses should service conditions warrant it.

#### **Equipment Cleaning**

Clean equipment with Resbuild MMA Toolclean immediately after use.

#### **Curing**

Light Foot Traffic: 1 hour @ 20°C

Vehicular Traffic: 2 Hours @ 20°C

Full chemical resistance: 24 hours @ 20°C

**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 Colour Coat has a minimum shelf life of 6 months when stored in original, unopened containers in accordance with manufacturer's instructions.

**Coverage**

A 5kg pack is sufficient to cover an area of 8.3m<sup>2</sup> with the recommended two coat treatment, providing a minimum thickness of 500 microns

**Limitations**

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

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

**Health and Safety**

Resbuild MMA Colour Coat 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 Colour Coat 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).