

Description

Resbuild MMA Deckcoat is a three pack Methacrylate resin system, modified to impart toughness, resilience and waterproofing properties to the cured membrane. The abrasion and impact resistance, together with the low temperature flexibility and excellent adhesion to concrete and steel make Resbuild MMA Deckcoat an ideal material for uses as a membrane subjected to vehicular traffic. By broadcasting a layer of suitable aggregate, a slip resistant surface profile may readily be achieved.

Typical Uses

As a slip resistant membrane for car park decks, walkways, and areas subjected to heavy fork lift traffic. As a skid resistant finish on ramps, heavily trafficked turning areas, ships decks, landing piers, etc.

Advantages

- Ultra fast curing characteristics
- Tough resilient, and highly durable
- Range of slip and skid resistant finishes
- Resistant to oil, petrol, diesel and many industrial chemicals
- Flexible and abrasion resistant
- Colour options to allow easy differentiation of specific areas e.g. walkways and parking bays in different colours
- Low temperature cure
- Suitable for indoor and outdoor surfaces

Typical Properties

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

Pot life @ 20°C: 25 Minutes

Thickness: Minimum 3mm, maximum 8mm

Tensile strength: 6MPa @ 20°C

Elongation at break: 180% @ 20°C

Temperature range during application: -30°C* to + 40°C

Temperature range during service: -40°C to + 60°C

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

*Refer to our Technical Department for advice.

Packaging

Resbuild MMA Deckcoat is supplied in 20kg 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 and to provide a medium blast profile.

All dust shall be removed prior to coating application. A coat of Resbuild 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/m². 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.

Mixing

Resbuild MMA Deckcoat is supplied as a three pack material consisting of the BASE component, and the CATALYST component and the FILLER component. Add the CATALYST component to the BASE component and mix thoroughly, preferably by mechanical means for a minimum of 2 minutes. Pour the contents into a mixing vessel and add the FILLER component whilst stirring. A low speed drill with paddle attachment may be used or else a forced action mixer e.g. Creteangle type.

Application

Pour the mixed material onto the prepared and pre-primed surface and apply by serrated trowel to the desired thickness. De-aerate the material by spike rolling. Within 5 minutes, broadcast the appropriate aggregate at a nominal rate of 6kg – 15kg/m². When cured, sweep off excess aggregate.

Sealing

The application of a clear sealer coat is recommended to reduce tendency towards staining and dirt pick up, and thereby ensure optimum ease of cleaning where required. Apply a roller coat of Resbuild MMA Clear Sealer or Resbuild MMA Colour Coat at a nominal rate of 0.3 – 0.5kg/m² and allow to cure for a minimum of 2 hours prior to putting back into service. A second coat maybe necessary where large Aggregate has been used as scatter.

Equipment Cleaning

Clean equipment with Resbuild MMA Toolclean immediately after use.

Curing

Light Foot Traffic: 1 hour @ 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 Deckcoat has a minimum shelf life of 6 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

A 20kg pack is sufficient to cover an area of 2.8m² at a thickness of 4mm.

Limitations

Do not apply to wet, uncured or unprimed concrete surfaces. Resbuild MMA Deckcoat will taint food during application, so that all foodstuffs in the immediate vicinity must be removed or properly covered.

Health and Safety

Resbuild MMA Deckcoat 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 Deckcoat 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).