

Description

Resbuild MMA Smoothscreed has been designed to provide a hard wearing, impervious floor finish which is hygienic and easy to clean.

Resbuild MMA Smoothscreed with its combination of attractive finish and excellent resistance to a variety of chemicals, is suitable for a wide range of light industrial environments. The product exhibits very fast curing characteristics allowing a full return to service after 2 hours. Resbuild MMA Smoothscreed is typically laid at a thickness of 2-4mm.

The aesthetic finish may be augmented by incorporating a decorative flake or coloured Quartz broadcast

Typical Uses

As a tough, impervious, chemical resistance floor finish where hygiene and ease of maintenance are important e.g. food and beverage production, hospitals, canteens and kitchens, pharmaceutical plants, laboratories, etc. and in manufacturing industries where a fast return to service and minimal down times are essential.

Advantages

- Fast cure and return to service
- Very good chemical resistance
- Hard wearing
- Excellent abrasion resistance
- Hygienic and easily cleaned
- Range of slip resistant finishes possible
- Sound adhesion to concrete and metal substrates
- Easily applied
- Suitable for wet and dry areas

Typical Properties

Colour: Natural, Grey, Red (other colours can be supplied upon request)

Pot life @ 20°C: 15 Minutes

Pot life @ 10°C: 35 minutes

Compressive strength: 50MPa

Adhesion to concrete: 3.6MPa (concrete failure)

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.

*For specific advice please consult our Technical Department.

Packaging

Resbuild MMA Smoothscreed 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 with a medium blast profile.

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/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 as soon as practicable after blasting.

Mixing

Resbuild MMA Smoothscreed is supplied as a three pack material consisting of the **Base** component, the **Catalyst** component, and the **Filler** component.

Mix the BASE component and the CATALYST component thoroughly by mechanical means and then add the FILLER component, mix thoroughly until a uniform consistency is achieved.

Application

Pour the mixed material onto the prepared and pre-primed surface, and apply by serrated trowel or screed box to the desired thickness. De-aerate the screed by spike rolling.

Note: Existing joints in the floor must be carried through the screed.

If a more slip resistant finish should be required, then a suitable aggregate shall be broadcast whilst the screed is still wet and a suitable sealer coat subsequently applied.

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. For optimum chemical resistance, a minimum cure time of 24 hours @ 20°C should be allowed.

Overcoating

When chemical spillages are anticipated, a two coat application of Resbuild MMA Clear Sealer is recommended. (Please refer to separate product data sheet for details).

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 Smoothscreed 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 3.6m² at a thickness of 3mm.

Limitations

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

Health and Safety

Resbuild MMA Smoothscreed 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.

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).