

DESCRIPTION

RMS Tufflor Rapid is a rapid curing, two pack, solvent free Epoxy coating with outstanding resistance to aggressive acids, solvents and alcohols, e.g. 96-99% Sulphuric Acid, Methyl Ethyl Ketone and Methanol.

TYPICAL USES

As a chemical resistant floor/wall coating for battery charging areas, chemical and printing works, bottling and canning factories, pharmaceutical production, water treatment works, oil refineries, etc.

ADVANTAGES

- Solvent free
- Outstanding chemical resistance
- Excellent adhesion to concrete and steel
- Tough, durable and abrasion resistant
- Very rapid cure, even at low temperatures
- Hygienic and easily cleaned

TYPICAL PROPERTIES

Pot life @ 20C: 30 Minutes

@ 10C: 60 Minutes

Colours: See Website

Coverage: 0.25-0.30kg/m²/coat

Tack free time @ 20°C: 3 hours

Hard dry time @ 20°C: 6 hours

Full chemical resistance @ 20°C: 5 days

Adhesive strength to concrete: 4.4MPa (concrete failure)

Adhesion strength to Sa 2.5 steel: 14 MPa

Temperature range during application: 2°C to 30°C

Temperature range in service: -20°C to 70°C

CURING

Allow to cure for a minimum of 6 hours @ 20°C prior to light foot traffic access and 24 hours @ 20° prior to vehicular trafficking.

Allow a minimum of 5 days cure @ 20°C for optimum chemical resistance.

PROCEDURE



SURFACE PREPARATION

a) Concrete 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. Holes and defective concrete shall be made good using RMS Floor Doctor for major repairs or RMS Surfacer for minor blemishes. Suitable mechanical treatment such as vacuum grit blasting is the preferred treatment prior to application as this ensures a mechanical 'key' for the coating.

b) Steel surfaces shall be shot blasted or grit blasted to a nominal Sa 2.5 Swedish standard. All dust and grease shall be removed prior to coating application. If a delay is likely to occur between blasting and application then it is recommended that a coat of RMS Steel primer is applied as holding primer to obviate flash rusting.

PRIMING

Two coats are recommended but one will be sufficient on a good concrete

MIXING

Pour the contents of the CURING AGENT container into the BASE container and thoroughly mix, preferably by mechanical means until a uniform colour is achieved. A paddle stirrer is available on the website that fits most drills, a slow speed is recommended. **Once mixed, ensure the product is either transferred straight into a scuttle or directly to the floor to reduce the speed of the exothermic reaction.**

APPLICATION

The mixed material can be poured in patches onto the floor and squeegeed out, finishing off with a roller.

Alternatively the mixed material can be poured into a paint scuttle and rolled out. See the website for suitable accessories.

Apply by roller at a nominal rate of 0.3 to 0.5kg/m² per coat, (approx. 16/18m² per 5 kilo unit) depending on overall dry film thickness required. After a minimum of 6 hours @ 20°C but within a maximum of 24 hours, apply a second coat if required at the same nominal rate. If the maximum overcoating limit is exceeded, the first coat must be abraded and solvent wiped prior to application of the second coat.

EQUIPMENT CLEANING

Clean equipment with RMS Toolclean prior to curing of the coating

STORAGE & SHELF LIFE

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C. RMS Tufflor Rapid has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on RM Suppliers' 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).
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COVERAGE

A 5kg pack is sufficient to treat 16 / 18 m² of surface with a one coat finish of approx. 250 microns a recommended two coat treatment will provide an overall d.f.t. of 500 micron

LIMITATIONS

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 2°C or less. Discoloration/bleaching of the coating can occur on contact with certain aggressive chemicals, thus leading to contamination/discoloration of the chemical itself. Discoloration is purely a surface effect that does not detract from the efficacy of the coating in service.

HEALTH & SAFETY

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.

RMS Tufflor Rapid shall be applied strictly in accordance with the manufacturer's Instructions.

DOCUMENT VERSION

VERSION: 2

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