

Description

Reprotec Steelcoat is a high performance, water dispersible Epoxy coating for the treatment of steel. It is designed to be user and environmentally friendly, containing no solvents and being of a very low odour during application.

Reprotec Steelcoat may be easily applied by brush or roller to provide a durable, abrasion and chemically resistant coating of excellent integrity.

Typical Uses

As a finish for steel in food factories, abattoirs, dairies, laboratories etc.

As a chemically resistant coating for steelwork in bund areas

As an anti-graffiti coating.

As a hygienic, easily cleanable surface on most metallic surfaces, not recommended for galvanised steel.

Advantages

- May be applied in damp conditions
- Available in a range of colours
- Low odour
- Easily applied
- Excellent resistance to water, oils, skydrol, petrol, dilute acids, alkalis and many solvents.
- Very good adhesion to steel
- Hygienic and easily cleaned.

Typical Properties

Pot life @ 20C: 90 Minutes
@ 10C: 150 Minutes

Colours: see website

Application Temperatures minimum = 3°C
 maximum = 30°C

Coverage: 0.20-0.25kg/m²/coat

Volume Solids: 65%

Temperature resistance: 75°C (dry), 65°C(wet)

Chemical resistance: excellent resistance to water, dilute acids, dilute alkalis, glycol ethers, dibasic ester solvent, skydrol, etc. Please consult our Technical Department for specific advice.

Packaging

Reprotec Steelcoat is supplied in 5Ltr packs

Procedure

Surface Preparation

Suitable mechanical treatment, such as grit blasting, Wire brushing etc is recommended to ensure a clean, uncontaminated substrate.

Priming

A primer coat of Reprotec Steelcoat Primer is recommended at all times.

Mixing

Pour the contents of the BASE container into the CURING AGENT container and thoroughly mix, preferably by mechanical means (see website for suitable accessories) until a uniform colour is achieved.

The mixed material may be thinned by the addition of up to a maximum of 10% by volume of clean, potable water.

Application

Apply by brush, roller at a nominal rate of 0.20 to 0.25kg/sq.m. per coat equivalent to a dry film thickness of 100-125 microns.

A minimum two coat treatment is recommended, applying subsequent coats after a minimum interval of 16 hours curing. Ensure good ventilation after application, as this speeds up the physical drying stage of the curing process.

Equipment Cleaning

Clean equipment with water prior to curing of the coating.

If the coating has cured use Reprotec Toolclean

Tel: 0191 300 9989

www.reprotecuk.co.uk

Curing

Allow to cure for a minimum of 24 hours @ 20°C prior to commissioning.

7 days cure @ 20°C is recommended prior to exposure to chemicals.

Good ventilation is essential for satisfactory curing of the coating.

Lower temperatures will extend the curing time.

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

Reprotec Steelcoat has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

A 5 Ltr pack is sufficient to treat 10.0-12.5 m² of surface with the recommended two coat treatment, providing an overall d.f.t. of 200-250 microns.

Limitations

Do not apply to wet steel where there is running water.

Do not apply at temperatures of 3°C or less.

In poorly ventilated areas forced extraction must be provided.

Health and 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.

Reprotec Steelcoat 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.