

Description

Reprotec Acidcheck 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: Grey, Red

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

Packaging

Reprotec Acidcheck is supplied in 5kg packs

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 Reprotec Floor Doctor for major repairs or Reprotec 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 Reprotec Steel primer is applied as holding primer to obviate flash rusting.

Priming

A coat of Reprotec Chemprime is recommended on absorbent concrete surfaces. Apply in accordance with data sheet.

For steel substrates Reprotec Acidcheck may be applied directly. Also see item b) above.

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.

Application

Apply by brush, short pile roller at a nominal rate of 0.3 to 0.5kg/m² per coat, 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 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 Reprotec Toolclean prior to curing of the coating.

Storage and Shelf Life

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

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

Coverage

A 5kg pack is sufficient to treat 8.3m² of surface with the recommended two coat treatment, providing an overall d.f.t. of 500 microns

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 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 Acidcheck shall be applied strictly in accordance with the manufacturer's instructions