

Description

Resbuild ET coating is based on a solvent free Epoxy resin system modified with coal tar to impart water repellency and flexibility.

Resbuild ET coating is supplied as a two pack material in pre-weighed quantities ready for mixing and use. It may be applied direct to concrete or steel, or else used in conjunction with a substrate specific primer.

Typical Uses

Chemical bunds, sewage treatment works, effluent plants, non-slip flooring, anti-corrosive protection of steelwork.

Advantages

- Excellent resistance to water and chemicals.
- Flexible
- Cost effective
- Easy applied
- Excellent anti-corrosive properties

Typical Properties

Pot life @ 20C: 60-70 Minutes

Colour: Black

Tack Free Time @20C: 12 hours

Hard Dry Time @ 20C: 20 hours

Full Cure Time @ 20C: 7 days

Recommended dry film thickness: 150-250 microns per coat.

Tensile strength: 9MPa

Elongation at break: 50%

Chemical resistance:

Excellent resistance to long term immersion in the following: 25% hydrochloric acid, 50% sulphuric acid, 10% nitric acid, 25% sodium hydroxide, petrol.

Packaging

Resbuild ET Coating is supplied in 5kg and 15kg packs

Procedure**Surface Preparation**

All surfaces to be treated with Resbuild ET Coating shall be sound, clean, and free from dust, dirt, grease and other contaminants.

- a) New concrete shall be allowed to cure for a minimum of 21 days. Laitance shall be removed, preferably by gritblasting. Any honeycombing, blow holes, etc., shall be filled using Resbuild EPA, Resbuild Surfacer, or Resbuild Scratchcoat.
- b) Steel surfaces shall be shot blasted or grit blasted to a bright metal finish (nominal Sa 2.5 Swedish standard).
- c) Priming is not normally necessary. However, on absorbent or damp concrete surfaces the application of a primer/sealer coat of Resbuild WB Primer at a nominal rate of 0.2kg/sq.m. is recommended. This should be allowed to cure for a minimum of 1-2 hours prior to overcoating with Resbuild ET Coating.
- d) Resbuild ET coating should be applied to steel substrates immediately after preparation, otherwise a holding primer, such as Resbuild Steelprime, must be applied to prevent the occurrence of flash rusting.

Mixing

The entire contents of the BASE container should be emptied into that containing the CURING AGENT component, and the two materials mixed thoroughly to achieve a uniform consistency. Mechanical mixing is preferred e.g. low speed electric drill with epi-mixer paddle attachment.

Application

Apply Resbuild ET Coating by brush or roller, at a nominal rate of 0.2-0.3kg/m².

Following overnight cure a second coat may be applied at the same nominal rate.

This will provide a final d.f.t. of 300-500 microns. For non-slip flooring a suitable aggregate shall be broadcast between coats. Note: where a non-skid finish is required, entailing the use of a larger particle size aggregate, the first coat of Resbuild ET Coating should be applied at 0.3kg/m², and the second coat at 0.5kg/m². This will provide an overall d.f.t. in excess of 650 microns.

Curing

Allow to cure for a minimum of 24 hours @ 20°C prior to light foot traffic access and 48 hours @ 20° prior to vehicular trafficking.

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

Resbuild ET Coating may be overcoated after a minimum of 20 hours cure and before a maximum of 72 hours.

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions.

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

Coverage

A 5kg pack will be sufficient to coat 12.5m² with recommended minimum d.f.t. of 300 microns.

Limitations

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 5°C or less.

Health and Safety

Avoid contact with skin and eyes by use of suitable protective clothing and goggles.

All splashes to the skin should be immediately washed off with soap and water.

If contact with the eyes occur, then irrigate with copious quantities of clean water and seek medical advice.

Please refer to Material Safety Data Sheet for additional information

Resbuild ET Coating shall be applied strictly in accordance with the manufacturer's instructions

For specific advice regarding any aspect of this product, please consult our Technical sec

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).