

### Description

Resbuild SF coating is a two pack Epoxy coating which provides protective and decorative properties to concrete, steel and other substrates.

The material is supplied as a two pack system, comprising pre-weighed amounts of BASE and CURING AGENT. After mixing together, an easily applied chemical and abrasion resistant finish is produced. A slip resistant finish may be achieved by broadcasting an appropriate aggregate.

### Typical Uses

As a waterproof, tough, chemical resistant floor or wall coating in food preparation areas, breweries, abattoirs, bottling factories etc.

As an internal lining for concrete or steel storage tanks containing oils, chemicals, water etc. It is particularly suitable for chemical bunds.

### Advantages

- Solvent free, low odour
- Very good chemical resistance
- Excellent adhesion to concrete and steel
- High build
- Tough and durable
- Easily applied
- Hygienic and easily cleaned
- Slip resistant options
- Range of colours

### Typical Properties

Pot life @ 20C: 45 Minutes

@ 10C: 90 Minutes

Colours: Grey, Red (BS4800 or RAL on request)

Coverage: 0.25-0.30kg/m<sup>2</sup>/coat

Tack free time @ 20°C: 6 hours

Hard dry time @ 20°C: 12 hours

Full chemical resistance @ 20°C: 7 days

Adhesion strength to concrete: 3.9 MPa (concrete failure)

Adhesion strength to mild steel: >12 MPa

Chemical resistance: excellent resistance to dilute acids, dilute alkalis, oil, petrol, diesel, vegetable oils etc. Please consult our Technical Department for specific advice.

### Packaging

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

### 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. Blow holes and defective concrete shall be made good using a proprietary repair compound e.g. Resbuild Floorpatch or Resbuild EPA. Block work shall be sealed using Resbuild Surfer. 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 Resbuild Steelprime is applied as holding primer to obviate flash rusting.

#### **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, roller or airless spray at a nominal rate of 0.25 to 0.3kg/m<sup>2</sup>. After a minimum of 14 hours and before a maximum of 48 hours, apply a second coat at the same rate. Should a non-slip finish be required, then broadcast an appropriate aggregate such as Quartz or Dynagrip, immediately after the first coat. Brush off excess aggregate the following day, prior to applying the second coat.

#### **Equipment Cleaning**

Clean equipment with Resbuild Toolclean prior to curing of the coating.

#### **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.

Good ventilation is essential for satisfactory cure.

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.

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

**Coverage**

A 5kg pack is sufficient to treat 8.3-10.0 m<sup>2</sup> of surface with the recommended two coat treatment, providing an overall d.f.t. of 400-450 microns.

**Limitations**

Do not apply to wet or uncured concrete surfaces.  
Do not apply at temperatures of 3°C or less.

**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

Resbuild SF 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 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).