

## **Description**

[Reprotec Tufflor](#) 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.

## **Typical Uses**

As a tough, waterproof wear resistant floor coating in manufacturing areas, trafficked warehouse areas, food preparation areas, breweries, abattoirs, bottling factories, etc.

## **Advantages**

- Solvent free, low odour
- Very good chemical resistance
- Excellent adhesion to concrete
- High build
- Tough and durable
- Easily applied
- Hygienic and easily cleaned

## **Typical Properties**

Pot life @ 20°C: 45 Minutes

@ 10°C: 90 Minutes

Colours: see website

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

Tack free time @ 20°C: 6 hours

Hard dry time @ 20°C: 10 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, raw sewage etc

## **Packaging**

Reprotec Tufflor is supplied in 5kg packs

## **Procedure**

### **Surface Preparation**

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 a repair compound e.g. Reprotec Floor Doctor.

Suitable mechanical treatment such as Diamond Grinding or STR Grinding is the preferred treatment prior to application as this ensures a mechanical 'key' for the coating.

### **Mixing**

Pour the contents of the CURING AGENT container into the BASE container and thoroughly mix, preferably by slow speed drill with a paddle attachment (see accessories on the website) until a uniform colour is achieved.

### **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 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.

### **Equipment Cleaning**

Clean equipment with Reprotec 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.

Lower temperatures will extend the curing time.

Tel: 0191 300 9989 [www.reprotecuk.co.uk](http://www.reprotecuk.co.uk)

### **Storage and Shelf Life**

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.  
Reprotec Tufflor 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 16/20 m<sup>2</sup> of surface area per coat per 5Kg pack - the recommended two coat treatment will provide an overall d.f.t. of 400-500 microns. (0.4 -0.5 mm.)

### **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

Reprotec Tufflor should be applied strictly in accordance with the manufacturer's instructions.