

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

## Description

Reprotect Step Doctor is a solvent free Epoxy resin system, together with specially graded lightweight fillers. The mixed mortar has excellent application characteristics, allowing overhead and vertical repairs to be easily accomplished.

Reprotect Step Doctor is used in conjunction with a separate primer such as Reprotec Tackprime.

The product is supplied as a three pack material, pre-weighed to allow easy on-site mixing and use.

Reprotect Step Doctor provides a strong durable, weatherproof repair for concrete, brickwork, stonework and steel substrates.

## Typical Uses

Repairs to step risers and treads.

## Advantages

- Excellent adhesion to substrate
- Very good abrasion and impact resistance
- May be applied to damp substrates
- Impermeable and waterproof
- Chemically resistant
- Ease of mixing and application
- Good mechanical properties

## Typical Properties

Colour: Light grey

Density: 1175kg/m<sup>3</sup>

Pot Life: 50minutes @ 20°C

Compressive Strength: 45 MPa

Tensile Strength: 8 MPa

Chemical resistance: **Excellent resistance** to 25% hydrochloric acid, 20% sulphuric acid, 10% citric acid, 40% sodium hydroxide, diesel and petrol. **Very good resistance** to 10% lactic acid, 20% phosphoric acid, **Good resistance** to many common industrial chemicals

## Packaging

Reprotect Step Doctor is supplied in 5kg & 10kg packs

## Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

Reprotect Step Doctor has a minimum shelf life of 12

## Procedure

### **Surface Preparation**

The substrate shall be sound, clean and free from laitance, dust, oil, grease and other contaminants.

Smooth substrates should be roughened by mechanical means to form a 'key' in order to optimise adhesion.

Scabbling, grit blasting, high pressure water jetting or needle gunning are satisfactory forms of preparation.

Any corroded re-enforcing steel shall be abraded or grit blasted to remove all scale, rust, etc.

If application of the Reprotec Step Doctor is to be delayed then a coat of Reprotec Steel Primer should be applied as an anti-corrosive holding primer for prepared steelwork.

### **Priming**

Mix and apply a coat of Reprotec Tackprime in accordance with the product data sheet instructions.

### **Mixing**

Pour the contents of the CURING AGENT container into the BASE container and mix thoroughly by spatula or low speed drill/stirrer. The mixed resins shall be poured into a forced action mixing vessel, (Creteangle bucket or similar), and the FILLER added steadily whilst the mixer is in motion. Mix for 2-3 minutes until a uniform material is achieved.

### **Application**

Whilst the Reprotec Tackprime remains in a 'tacky' condition, i.e. within 90 minutes of application, apply the Reprotec Step Doctor by wood float, ensuring good compaction, and then close and finish with a steel float.

Where a roughened profile is required, finish with a plastic float.

Reprotect Step Doctor may also be placed by gloved hand for comparatively inaccessible applications.

Chequer board application is recommended for larger areas of rendering. Application thickness of up to 50mm per layer may be achieved. If additional layers are required, scratch finish the first layer and then re-prime the following day prior to subsequent applications.

### **Equipment Cleaning**

Clean equipment with Reprotec Toolclean prior to curing of the mortar.

### **Curing**

Reprotect Step Doctor will have cured sufficiently after 24 hours @ 20°C to be put back into most kinds of service. 7 days cure @ 20°C will be required to ensure optimum mechanical properties and full chemical resistance.

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months when stored in original, unopened containers in accordance with manufacturer's instructions.

### **Coverage**

A 5kg pack yields 4.25litres of mortar, sufficient for 0.42m<sup>2</sup> @ 10mm thick.  
(10kg pack pro rata.)

### **Limitations**

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

### **Health and Safety**

Wear gloves and goggles.

Wash off splashes immediately with soap and water.  
Any eye contamination must be rapidly irrigated with copious amounts of water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information.

Reprotec Step Doctor shall be applied strictly in accordance with the manufacturer's instructions.