CORROCOAT

# Corrocoat

**Product reference** 3/42

**Product title** Renderpol

**Valid from** 13th January 2000

## Type

A two-pack cold cured polyester screed, filler and repair compound.

## Suggested use

As a re-surfacer and repair compound for concrete, brick and metallic substrates. The product may be used with reinforcement mesh where necessary to ensure the integrity of severely damaged components and as an aid to bonding. Typical areas of work include pit filling, drain interceptors, gullies etc.

## Limitations

Not suitable for immersion in some highly polar solvents, demineralised water, extremes of pH values or immersion temperatures above 80°C.

## Health & safety

Before handling or using this product, the material safety data sheets should be read, and all precautions observed.

## Surface preparation

Dependent upon application and usage: Concrete substrates should generally be prepared in accordance with data sheet SP5 but other methods may be applicable, please consult Corrocoat UK. For best results on metallic substrates, these should be grit blasted to SA 2½ with a minimum 50 micron profile and primed. This product should preferably be applied over PPA primer or the first coat of other Corroglass/Polyglass series material. Where normal preparation procedures are not practical and bonded reinforcement mesh can be used, it is acceptable to apply the Renderpol directly on to the surface provided the surface is clean, free from water and dust. This is typical of interceptor work where in effect, a tank within a tank is built.

## Application equipment

Stiff brush or trowel or scraper blade.

## Mixing ratio

98: 2 PBW base to organic peroxide.

## Catalyst type

Use catalyst P2 or below 10°C for best results use catalyst P4.

## Mixing

Weigh out only the proportion of material that can be used within the pot life and place into a mixing container. Measure the correct proportion of catalyst for the amount of base and carefully add this to the base using a suitable clean implement. Mix thoroughly then add dye if required and mix to an even colour. After stirring it is essential to remove the contents from the mixing container into a shallow receptacle and remix.

## Application

Using a trowel or stiff brush, the catalysed material should be vigorously worked into the surface profile, ensuring that the maximum possible surface area is

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## Application *Continued*
wetted out. Following wet out, the coating thickness may be built up using a stiff brush or trowel. The material may be applied at DFTs of up to 6mm without sagging on a vertical surface. Material may be applied up to 20mm when used as a grouting compound at and below 20°C. Wire mesh should be used as reinforcement in severely damaged areas or when rebuilding work is required, laminating or other reinforcement techniques may be used as appropriate.

## Pot life
55-65 minutes at 20°C. Pot life will be shorter at higher temperatures and longer at lower temperatures. Where high temperatures are encountered, refrigerate material before use or else seek the advice of Corrocoat UK.

## Thinners
**Do not thin. No diluent or thinner may be used.** The addition of styrene may adversely affect the performance of this product and shall not be considered without consulting Corrocoat UK.

## Packaging
5, 10 or 20 litre drums.

## Storage life
12 months maximum, when stored at temperatures below 20°C and away from radiating heat sources and direct sunlight.

## Colour
Dark grey.

## Theoretical spreading rat
1.25 kg/m$^2$ @ 1mm DFT.

## Volume solids
99.8%.

## Practical spreading rate
Regular surfaces, e.g. new steel - 1.9kg/m$^2$ @ 1mm DFT.
Irregular surfaces, e.g. pitted steel - 3kg/m$^2$ @ 1mm DFT

**Note:** This information is given in good faith but may vary dependent upon environment conditions, the geometry and nature of work undertaken and the skill and care of application. Corrocoat accepts no responsibility for any deviation from these values.

## Specific gravity
1.25 gcm $^{-3}$.

## Flash point
28°C.

## Hardness
Minimum 35 Barcol (ASTM) Standard D-2583.

## Overcoating
May take place as soon as the previous coat has gelled sufficiently to resist movement of next application and whilst still tacky. Maximum overcoating without treatment is 4 days at 20°C (shorter at ambient temperatures above 30°C).

## Cure time
At 20°C, 90% cure will be attained in 8 hours. Full cure for chemical resistance will require 6 days @ 20°C. Cure times may be shortened and the degree of final cure improved by post curing at elevated.

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