

## Corroprime 30S

### Solvent based epoxy primer / sealer

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| Reference No. | TDS / PTC / CP30S |
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#### Product Features

**Corroprime 30S** is a low viscosity, solvent based, two component epoxy primer designed to penetrate into porous substrates such as concrete, screeds and masonry, to improve the bonding for other Corrotech epoxy repair, flooring & coating products, but can also act as a cost effective clear sealer coat in low trafficked areas.

#### Typical Uses

**Corroprime 30S** is typically used as a primer for many of the Corrotech **Corromortar**, **Corrofloor** & **Corrocoat** range of products, but can also be used as a basic stand alone coating for concrete floors subject to light traffic, abrasion or chemical attack such as shops, warehouses, plant & mechanical rooms and workshops etc.

| Technical Data                     |                |                                      |
|------------------------------------|----------------|--------------------------------------|
| Properties                         | Test Standards | Typical Values                       |
| Appearance                         |                | : clear, transparent liquid          |
| Specific gravity when mixed @ 25°C | ASTM D 1475    | : 1.00                               |
| Viscosity @ 25°C                   |                | : 60 cps                             |
| Total solids                       |                | : 45% by volume                      |
| Flash point                        |                | : 39°C                               |
| Pot life @ 25°C                    |                | : 2 hours                            |
| Touch dry @ 25°C @ 35°C            |                | : 1 hour<br>: 45 minutes             |
| Full cure @ 25°C                   |                | : 7 days                             |
| Mix ratio                          |                | : part A : part B<br>4 : 1 by volume |

Note: All values given are subject to 5 - 10% tolerance.

#### Directions for Use

##### Preparation

###### Concrete

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

New concrete or screed should be fully cured with a maximum residual relative humidity (RH) of 75%.

Prepare concrete surfaces preferably by mechanical methods such as grinding to remove laitance, curing compounds and other loose materials to provide a mechanical key for **Corroprime 30S**.

##### Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are

achieved. Failure to do so can result in lower performance or even possible failure of the product.

Thoroughly mix both parts of **Corroprime 30S** together in full, using a slow speed drill and paddle for at least 4 – 5 minutes until a homogenous consistency is achieved. **DO NOT UNDER ANY CIRCUMSTANCES PART MIX MATERIALS.**

#### Application

We recommend checking the substrate before commencing works to ensure it is at least 3°C above dew point.

Apply **Corroprime 30S** using a brush or roller to the prepared surface, at a theoretical coverage rate of 8 – 10 m<sup>2</sup> per litre to give a DFT of approximately 45 microns per coat. Allow the primer to dry before applying any subsequent materials.

A second priming coat may be required if the substrate is particularly porous. Re-prime if the primer coat has not been over coated within 18 hours.

Dust and surface contamination must be removed prior to applying subsequent products.

A minimum of 2 coats of **Corroprime 30S** are recommended if using as a stand alone finish.

#### Curing

No special curing is required for **Corroprime 30S**.

#### Hot weather conditions

For application above 40°C we recommend adopting the following guidelines:

Store unmixed materials in a cool preferably air conditioned environment.

Avoid exposure of materials to direct sunlight.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

#### Cleaning

Clean tools and equipment immediately after use with **Corroclean**.

#### Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendations.

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Avoid application if the work area may be subject to the onset of rain or moving water.

All products should be used within the pot life. Materials not used within the specified time should be discarded.

The product should not be thinned with any type of solvent under any circumstances.

If being used as a sealer coat in areas subject to prolonged UV exposure colour fading may occur, however the performance of the material will not be affected.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.

### Estimating

**Corroprime 30S** pack size: 5 & 20 litre kits. Coverage rate approximately 8 - 10 m<sup>2</sup> per litre per coat at 100 microns WFT

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption particularly for primers.

### Health & Safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

### Storage

**Corroprime 30S** has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C.