Technical Data Sheet: CORROSOL PRIMECOAT

Product Description

Corrosol Primecoat is a UV curing vinylester primer for use on substrates where priming is required prior to application of Corrosol laminates.

Product Features

- Displays superior chemical resistance
- Single component
- Ease of application
- Fast curing
- Excellent adhesion to a wide range of substrates
- Excellent corrosion protection
- Excellent UV resistance over cured laminate

Chemical Resistance

For details on chemical resistance please refer to the Corrosol Chemical Resistance Chart.

Substrate and Surface Preparation

General

Correct surface preparation is essential for the success of any protective coating. All affected and damaged surfaces should be clean, dry and free from contamination. The substrate surface should be fully inspected, assessed and surface prepared, before proceeding with application of **Corrosol Primecoat.**

Steel Substrate

If **Corrosol Primecoat** is to be applied directly to a bare metal, then metal substrate needs to be prepared by grit blasting to Swedish Standard SA 2.5, with minimum 75 microns profile, grinding or deep scoring. Clean off blast medium and inspect the substrate carefully. Prior to application of **Corrosol Primecoat**, wipe the substrate with clean acetone or similar solvent and observe vaporization.

Ensure the surface is coated with **Corrosol Primecoat** as soon as practical. If there is evidence of flash rusting, then this needs to be removed prior to coating with **Corrosol Primecoat**.

Concrete

Concrete must be cured at least 28 days at 24°C (75°F). Prepare surfaces in accordance with ASTM D4259 Abrading Concrete. Voids in concrete may require surfacing. Always check moisture content of concrete prior to application of **Corrosol Primecoat**.

Application Precautions

- Avoid exposure to direct sunlight during application
- Always apply material 3°C above dew point
- When applying material onto hot substrates ensure it is exposed to UV light and allowed to cure immediately
- On porous surfaces a second coat of **Corrosol Primecoat** may be required

Technical Data

Product Data	Typical Values
Colour	**Translucent**
Volume Solids	**100%**
Mix Ratio	**One Component**
Curing Mechanism	**Ultra Violet (UV). Natural or UV Lamp**
Typical thickness range	**250 - 300 microns per coat**
Overcoating time	**Can be overcoated when touch dry**
Temperature resistance	**Wet: Continous 70 deg C. Atmospheric/ Intermittant 90 deg C** **Dry: Continous 130 deg C. Atmospheric/ Intermittant 200 deg C**

* All test data has been obtained through independent test laboratories to exacting test standards. These are average readings and small tolerance must be made between product batches, application conditions and UV source.

Corrosol Primecoat

Directions for Application

1. Following surface preparation, inspect the surface and fill any deep pitted areas, and allow to cure, ensuring overcoat windows are adhered to.

2. Cover the prepared substrate area with **Corrosol Primecoat** resin by either a cut down brush or roller. As the material is a single component UV cured resin there is no requirement to mix. Once applied, cure the 1st coat of **Corrosol Primecoat** resin by UV radiation (sunlight) or UV lamp as soon as possible, but within 12 hours.

3. Application of a further layer of **Corrosol Primecoat**: In the event that **Corrosol Primecoat** has been cured for more than 24 hours, it is necessary to lightly abraid and brush clean the material. Use the solvent to degrease and prepare the existing surface before applying another layer of **Corrosol Primecoat**.

4. In some climates it will be necessary to tent the application area to avoid direct sunlight curing the material prior to completion of the application.

Curing Time

The cure time will vary with the intensity of the UV source and the prevailing conditions. As a guide the material will cure within 10-15 minutes in clear sunny conditions. Care must be taken to avoid any UV source during application, especially where time is short.

Inspection

Corrosol Primecoat can be inspected for pinholes using high voltage spark tester. Before use the material should be washed down with clear water to remove any contamination on the surface and allowed to dry. Please refer to the equipment manufacturers recommendations for voltages may vary with equipment type.

Repair Existing Material

Repairs of holidays or other damaged areas can be achieved by over coating of the damaged area. The surface must be carefully prepared and lightly hand abraded and brush clean. Use acetone, or solvent approved by the local authorities, to degrease the surface ready for another layer of **Corrosol Primecoat**.

Technical Support

Corrotech Construction Chemicals offer complete technical support and asistance from discussing application requirements to training approved local contractors. For further information please contact a Corrosol representative or your nearest dealer.

Health & Safety

Please refer to the product material safety data sheet for detailed information on handling, storage, shipping and disposal.

Packaging and Storage

Corroseal Primecoat is available in 1 and 5 litre tins. The material should be stored in cool, dry conditions (not more than 25°C).
Shelf life: 12 months from the date od manufacture.

Warranty

Corrotech Construction Chemicals guarantees this product will meet the performance claims stated herein when material is stored and used as instructed. Corrotech Construction Chemicals further guarantees that all its products are carefully manufactured to ensure the highest quality possible and tested strictly in accordance with universally recognized standards (ASTM, ANSI, BS, DIN, etc.). Since Corrotech Construction Chemicals has no control over the use of the products described herein, no warranty for the application can be given.

CORROTECH Construction Chemicals