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**CORROCLAD**

## TECHNICAL DATA SHEET: CORROSEAL IPC 50

### PRODUCT DESCRIPTION

**CORROSEAL IPC 50** is a single component UV cured Isophthalic Polyester resin system modified to provide good levels of fire retardancy. The material is formulated to assist with adhesion of Corroclad materials directly onto steel or concrete, especially on terminations, and as a touch up for any minor damage to the Corroclad system. Available in low viscosity when used as a primer or standard viscosity for repairs. UV or peroxide curing.

### PRODUCT FEATURES

- Excellent chemical resistance
- UV Curing – Single Component
- Fast curing
- Excellent adhesion to a wide range of substrates
- Excellent corrosion protection
- High Fire Performance
- Ease of application
- Low maintenance

### GENERAL PRODUCT INFORMATION

#### Appearance

Colour: Opaque, White or Grey

#### Mixing Ratio

Single Component: N/A

#### Unit Sizes

1KG (2.2lb)  
2.5KG (5.5lb)

#### Coverage Rate

Low Viscosity 3-5m<sup>2</sup>/kg  
Standard Viscosity 1-3m<sup>2</sup>/kg

#### Solids content

100%

#### Curing Method

The Product cures with UV light in the wavelength 365 – 420 nm at temperatures between -15°C and +70°C (5-158°F).

#### Storage

The shelf life of the product is typically 9 months if unopened and stored in cool dry conditions below 25°C (77°F).

### SURFACE PREPARATION

If **CORROSEAL** IPC 50 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 **Corroseal IPC 50**, wipe the substrate with clean acetone or similar solvent and observe vaporization.

### INSPECTION

**Corroseal** can be inspected for pinholes and holidays 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. Typical voltage for testing should be 4kV. Please refer to the equipment manufacturers recommendations as voltages may vary with equipment type.

### CHEMICAL RESISTANCE

Once fully cured the product resists attack by a wide variety of chemicals. The product is also resistant to mineral oils, lubricating oil and a wide range of hydrocarbons. For further information please refer to the chemical resistant chart or a technical representative.

### TECHNICAL SUPPORT

Zoom Corrosion Technology offer complete technical support and assistance, from discussing application requirements to training approved local contractors. For further information please contact a CORROCLAD representative or your nearest CORROCLAD authorised dealer.

### HEALTH AND SAFETY

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

TECHNICAL DATA SHEET:  
CORROSEAL IPC 50

MECHANICAL PROPERTIES

Typical Physical Properties	Value	Method
Tensile Elongation at Break	0.32 %	ASTM D3039
Relative Density	1.6 sg/1.9 sg	LV/Std
Hardness	52 Barcol	ASTM D2583
Max Operating Temp	90 °C / 194°F	
Water Absorption	0.1%	ASTM D570
Adhesion to Steel	3.3Mpa/478psi	ASTM D5179
Styrene Emission	4 ppm	
Chemical Resistance	Excellent	Refer to Chemical Resistance chart

\* Advice from Zoom Corrosion Technology should be requested if operating temperatures are expected above 70°C (158°F) to ensure that terminations are conservatively designed.

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**Corroclad products are manufactured for:**  
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