

Technical Data Sheet

Date of Issue: 1st May 2020

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Product Name: RELINFORCE Surface Shield IV

Ambient or heat cure protective coating for metal and concrete surfaces.

Description

It is a two-component solvent free high viscosity protective coating for primer as well as top coat. It provides excellent chemical resistance and good mechanical properties. This system can be used for ambient as well as elevated temperature cure. The perfectly cured system will provide resistance to strong acids, alkali, alcohols and hydrocarbon solvents.

Application Areas

- Chemical resistant lining of tanks
- Protective coating for concrete and metal in corrosive environment

Features & Benefits

- Excellent chemical and thermal resistance
- Fast setting properties
- High mechanical strength
- Solvent free

Component Details & Properties

	Part A	Part B	Mixed
Feel	Liquid	Liquid	Liquid
Color	Colorless	Yellow	Colorless to Yellow
Mixing Ratio	100	30	
Viscosity @ 25 °C, cps	25000 - 35000	500 - 1000	15000 – 20000
Pot Life, 100 g mix mass @ 25°C			30 – 35 minutes
Application Thickness			~ 2 mm

Note: * Ambient Temperature will affect the Pot life of the Product & is inversely related.

Chemical Resistance of Coated Specimen

Sulfuric acid, 98%	Resistant, but discoloration may occur
Sulfuric acid, 25%	Resistant
Phosphoric acid, 80%	Resistant, but discoloration may occur
Hydrochloric acid, 35%	Resistant
Acetic acid, 25%	Resistant

Note: Chemical resistance as per ASTM D 543 of specimen cured at 25°C for 7 days, 60 days immersion at ambient temp.

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Surface Preparation

- Surface to be clean of Oil, Grease, dust & any other material which will affect the adhesion.
- Appropriate Methodology to be adopted to achieve sound substrate for application of product.
- Substrate Residual Moisture to be less than 4%. Not to be applied on substrate with rising dampness.
- Spray the mix material with over the substrate to achieve required thickness.
- Application to ensure all pinholes & surface undulation is covered.

Packaging Size

- Resin: 30 Kg
- Catalyst: 9 Kg

Shelf Life

- Resin: 12 Months
- Catalyst: 12 Months

Storage Condition

- Material to be stored in cool dry place
- To be kept in shade with no direct sunlight

Health & Safety Hazard Condition

Please refer to MSDS for detailed information on the health & safety hazard while using the product.

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