

Technical Data Sheet

Date of Issue: 1st May 2020

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Product Name: RELINFORCE Surface Shield IV ZN

Two component, anti-corrosive, zinc phosphate epoxy primer.

Description

2 component anticorrosive low viscosity primer system having better handling properties, together with extended overcoat ability, make this an excellent primer for factory as well as site application prior to full system application. Epoxy zinc phosphate primer provides good abrasion resistance which minimizes mechanical damage in transit between the factory and site.

Application Areas

- Highly anti-corrosive coating in the offshore, ship building, pipe-coating and protecting, petrochemical, chemical, pulp and paper, and bridge industries.
- Industrial maintenance primer

Features & Benefits

- Low VOC
- Lead-free pigmentation
- Excellent toughness and exterior durability.
- Superior water and chemical resistance.
- Long term protection against corrosion.
- Excellent adhesion to a variety of substrates – can be sprayed, brushed or rolled.

Material Properties

	Part A	Part B	Mixed
Feel	Liquid	Liquid	Liquid
Color			Buff / Red
Mixing Ratio	100	25	-
Working Life			40 - 50 minutes
Bond Strength			> 1.5 MPa
Solid Content			≥ 60%
Application Thickness			50-75 microns (2-3 mils) dry equivalent to 79-119 microns (3.2-4.8 mils) wet
Drying Time			
Temperature	Touch dry	Hard Dry	Full Cure
25°C	1 hour	4 hours	7 days
40°C	45 minutes	3 hours	7 days
Overcoating interval with recommended time intervals			
Temperature	Minimum		Maximum
25°C	5 hours		12 months
40°C	4 hours		12 months

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

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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.
- Apply the mix material over the substrate using appropriate means to cover the surface entirely to ensure proper bonding of the overlay system.

Packaging Size

- Part A : 4.0 Kg
- Part B : 1.0 Kg

Shelf Life

- Part A : 12 Months
- Part B : 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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