

Technical Data Sheet

Date of Issue: 1st May 2020

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Product Name: RELINFORCE Fab S PR

Two Component moisture sensitive epoxy primer system for bonding

Description

RELINFORCE Fab S PR is a two-component liquid epoxy primer system mainly for concrete & metal surfaces. RELINFORCE Fab S PR provides an excellent balance of viscosity & pot life resulting in excellent primed substrate.

Applications

- Suitable for application on horizontal, vertical or overhead surface

Features & Benefits

- Composition with improved mechanical characteristics
- High Mechanical Properties
- High Adhesion to different surfaces: concrete, masonry, metal, wood, stone
- Solvent free

Component Details & Physical Property

	Part A	Part B	Mixed
Feel	Liquid	Liquid	Liquid
Color	Clear	Amber	Amber
Mixing Ratio, By Weight	100	50	
Density @ 25 ^o C	1.10 – 1.15	0.95-1.05	1.00 – 1.10
Viscosity @ 25 ^o C , cps	8000 - 15000	500-1500	
*Pot Life @ 25 ^o C			10 - 15 mins for ~ 5 Kg mix 30 - 40 mins for 100 g mix
Full Drying Time(hrs), @ 25 ^o C			~ 4 hrs
Dry Film Thickness, 1 coat, μm			150 - 200
Yield (Pack)	4 kg	2 kg	6 kg

Note: * Ambient Temperature will affect the Pot life & Waiting Time of the Product & is inversely related. Since it is fast curing product, it is advisable to mix small quantities required for applications.

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Mechanical Properties

Compressive Strength @ 25 ^o C (As per ASTM C 579-01) 7 Days	> 50 MPa
Tensile Strength @ 25 ^o C (As per ASTM D638) 7 Days	> 30 MPa
Flexural Strength @ 25 ^o C (As per ASTM D790) 7 Days	> 30 MPa
Bond Strength @ 25 ^o C	> 1.5 MPa (Concrete Failure) > 6 MPa (Steel Failure)

Mixing Procedure

- Mechanical Mixing using low speed stirrer is suggested.
- Mixing should be done till uniform color achieved of the mixed material.

Application Procedure

- 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 seal the surface pores to ensure proper bonding of the overlay system.

Packaging Size

- Part A : 4 Kg
- Part B : 2 kg

Shelf Life

- Part A : 12 Months
- Part B : 12 Month

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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