

## Technical Data Sheet

Date of Issue: 1<sup>st</sup> May 2020

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### Product Name: RELINFORCE Lam A

Two-component epoxy system for bonding laminates

### Description

*RELINFORCE Lam A* is a two-component epoxy filled adhesive system with excellent mechanical properties. The contrasting color between base and hardener allows an easy control of the correctness of the mixing.

### Applications

- Structural adhesive with high wettability, suitable for bonding pultruded laminates
- Suitable for application on vertical or overhead surface

### Features & Benefits

- Designed specifically for the *RELINFORCE C Lam* system
- Composition with improved mechanical characteristics
- High mechanical properties
- High Adhesion to different surfaces: concrete, masonry, metal, stone
- Solvent free

### Mechanical Properties

Compressive Strength @ 25 <sup>o</sup> C (As per ASTM C 579) 7 Days	>50 MPa
Tensile Strength @ 25 <sup>o</sup> C (As per ASTM D 638) 7 Days	>15 MPa
Tensile Modulus @ 25 <sup>o</sup> C (As per ASTM D 638) 7 Days	>5 GPa
Flexural Strength @ 25 <sup>o</sup> C (As per ASTM D 790) 7 Days	>40 MPa
Flexural Modulus @ 25 <sup>o</sup> C (As per ASTM D 790) 7 days	>5 GPa
Bond Strength @ 25 <sup>o</sup> C, Concrete	>2 MPa (Concrete Failure)
Slant Shear Strength	> 11 MPa

### Component Details & Physical Property

	Base	Hardener	Mixed
Color	White	Black	Gray
Mixing Ratio	2	1	-
Mixed Density			1.73-1.88
*Pot Life @ 25 <sup>o</sup> C			30-40 minutes
Yield (Pack)	6kg, 10kg, 20kg	3kg, 5kg, 10kg	

\* Ambient Temperature will affect the Pot life & Setting Time of the Product & is inversely related

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### Mixing Procedure

- Full Pack Mixing is ideally suggested for accurate result
- Part Mixing suggested only if precise proportioning facility available at site.
- Mechanical Mixing using low speed stirrer is suggested.
- Mixing till uniform color achieved of the mixed material.

### Application Procedure

- Surface to be clean of Oil, Grease, dust, curing compound, mould release agent & any other material which will affect the adhesion
- Substrate Residual Moisture to be less than 4%. Not to be applied on substrate with rising dampness
- Apply the mix material with spatula or trowel over the substrate to achieve required thickness.
- Application to ensure all pinholes & surface undulation is covered.

### Packaging Size

- Base: 6 kg, 10 Kg, 20 Kg
- Hardener: 3 kg, 5 Kg, 10 Kg

### Shelf Life

- Base: 12 Months
- Hardener: 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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