

**Product Description**

La StrucFix CL Epoxy adhesive is the structural grade adhesive for composite laminate strips used to enhance strength and stiffness.

La StrucFix CL Laminate Adhesive is a two component solvent-less epoxy system which when mixed yields a non slumping high strength, fast curing adhesive.

La StrucFix CL Epoxy adhesive is ready to use system for light-weight composite laminates that provides high tensile strength for flexural reinforcement of concrete members.

**Uses**

Fixing La StrucRep CFL high modulus composite laminate strips

**Advantages**

- High strength & Impact resistant
- Non - shrink and Non - slump
- Chemical resistant
- Easy to use

**Technical Properties**

Aspect	Grey paste
Mixed density	1.70 ± 0.10
Volume solids	100%
Mixing ratio, by weight	100(Base): 50 (Hardener)
Coverage	2 kg/m <sup>2</sup> at 1.0 mm thick
Pot Life	50 Minutes at 25°C 35 Minutes at 35°C
Initial Cure	12 Hours at 25°C 8 Hours at 35°C
Full Cure	7 Days at 25°C 5 Days at 35°C
Compressive Strength (ASTM C579)	> 35 MPa at 1 Day > 60 MPa at 7 Days
Flexural Strength (BS:6319, pt3)	> 25 MPa at 7 Days
Adhesive bond strength to concrete (ASTM D4541)	> 2.5 MPa

**Application Instructions**

**Temperature Requirements**

Temperatures below 15°C and above 40°C will make application tedious and careful consideration should be given to storage of materials.

**Surface preparation**

The surfaces of composite elements to be fixed in desired profile condition with La StrucFix CL Laminate Adhesive should be thoroughly profiled or roughened. In unsound structures, the whole layer should be removed by scarifying, water jetting or similar techniques for the structural restoration to be carried out using suitable structural grade repair mortar from La StrucRep GP range of high strength mortar.

Remove oils, grease, dust or any other loose material from the surface. Remove laitance to expose aggregate. Apply the layer of La StrucFix CL Primer by roller or brush and wait until dry for the Adhesive application. Clean up the laminate surface with proper solvent

**Mixing**

Mechanically mix component A before adding component B. When component B has been added, mix for approximately 3 minutes until a smooth mix has been obtained.

**Application**

Apply one layer of La StrucFix CL Laminate Adhesive 2-3 mm thick on both the surfaces (concrete and Laminate). Apply La StrucFix CL Laminate and using the relative roller, exert a constant pressure by moving the tool both ways in the direction of the fibres. Clean up.

**Curing**

La StrucFix CL Adhesive will cure at temperatures as low as 5°C although at lower temperatures cure is retarded.

### Equipment Cleaning

Tools must be cleaned immediately after use with appropriate solvent.

### Coverage

8.5m<sup>2</sup> /15kg pack area at 1.0mm thickness.

### Packaging

La StrucFix CL Laminate Adhesive is available in 6kg (4kg Base & 2kg Hardener) units.

### Storage

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

### Shelf Life

Shelf life is 12 months when stored as recommended.

Unrecommended storage conditions may result in non-performance of the product and desired results may be effected

### Health & Safety

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet.

**Important:** La Greens India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, La Greens India does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



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