

### Product Description

La StrucRep EM is a thixotropic, solvent free, three component system comprising of epoxy resin, hardener and filler. Graded fillers the product is designed for horizontal use but can be applied vertically, although generally in thinner sections.

### Uses

For filling blow holes and repairing damaged concrete, eliminating minor irregularities. Product is useful for all industrial repairs situations, structural retrofitting applications.

### Advantages

- High early and ultimate strength recommended for
- Consistency can be adjusted by varying the filler content
- Can be applied to vertical surfaces & horizontal applications
- Chemical resistant
- Good adhesion to concrete
- Can be used for emergency repairs for early strength
- Easy to apply and finish

### Technical Properties

Mixed Density	2.0 ± 0.1g/cc
Volume solids	100%
Compressive strength	7 Days : 60N/mm <sup>2</sup>
Flexural strength	20N/mm <sup>2</sup>
Pot life	25 min at 27°C
Initial Curing	24 hrs at 27°C
Full cure	7 days at 27°C

### Chemical Properties

Citric acid (10%)	Resistant
Tartaric acid (10%)	Resistant
Hydrochloric acid (18%)	Resistant
Sodium Hydroxide (50%)	Resistant
Diesel fuel / Petrol (100%)	Resistant
Sulphuric acid (10%)	Resistant
Sugar solutions (Saturated)	Resistant
Lactic acid (10%)	Resistant
Hydrocarbons (100%)	Resistant
Phosphoric acid (50%)	Resistant
Nitric acid (10%)	Resistant
Acetic acid (5%)	Resistant

### Application Instructions

#### Surface preparation

**Concrete** : Clean, dry, should be free from laitance, sand blasting or mechanical wire brushing may be necessary.

#### Substrate priming

The substrate should be primed using La Prime XP. The primer should be mixed in the proportions supplied, adding the entire contents of the 'hardener' tin to the 'base' tin. The two components should be thoroughly mixed together, for 3 minutes.

#### Mixing Procedure

La StrucRep EM shall be mixed using a slow speed drill with a suitable mixing paddle. Mix base, hardener components and add the filler in small quantities to get the required consistency. It is important that all the components are intermixed thoroughly.

#### Application

La StrucRep EM mortar can be applied in sections upto 50mm thickness in horizontal locations or upto 12mm thickness in vertical locations in a single application and without the use of formwork. Minimum application thickness is 5mm and higher thickness is possible to build up in layers.

### Tool cleaning

Clean the tools immediately after use before the material cures. Use Solvent for cleaning the tools. Cured material can only be removed mechanically.

### Limitations

La StrucRep EM is not suitable for application below 10°C and above 40°C. Cured La StrucRep EM is not suitable for subzero temperatures.

### Coverage

La StrucRep EM will be consumed at a rate of 2.0-2.2kg/m<sup>2</sup> at 1mm thickness. Depending on the substrate conditions the coverage may vary.

### Packaging

**La StrucRep EM** : 24kg packs consisting of Base, Hardener and Filler

**La Prime XP** : 5kg & 20kg packs consisting of Base, Hardener (100 : 50) ratio

### Shelf Life

12 months in unopened containers when stored under normal warehouse conditions.

### Health & Safety

La StrucRep EM Should not come into contact with skin and eyes. Inhalation of dust during mixing should be avoided. Gloves, goggles and dust mask should be worn. If contact with skin occurs, it shall be washed with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

### Fire

La Prime XP are flammable.

### Flash points

La Prime XP : 39°C

**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.



Smart Solutions for Sustainable Construction

#### La Greens India Pvt. Ltd.

Old No. 151/1, New No.114, 8<sup>th</sup> Main Road,  
11<sup>th</sup> Cross, Malleswaram, Bangalore-560 003

+91 80 4993 4734

info@lagreensindia.com

www.lagreensindia.com

#### Manufacturing Unit :

Plot No.154, KIABD Indl. Area, 2<sup>nd</sup> Phase,  
Antharasanahalli, Tumkur - 572106, Karnataka

Goligram, Guskara Road, Near R.S. Rice Mill,  
Burdwan - 713 126. West Bengal.



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