

# EPOMORT FC LPL

## EPOXY BASED FAIRING COMPOUND



### DESCRIPTION

**EPOMORT FC LPL** is a solvent -free, three component, high strength epoxy -based fairing compound and filler. It is designed to be easy to mix and apply from a feather edge to 3mm, while the cured film provides an excellent fair finished impermeable surface . It also provides a suitable base for application of coating systems .

### FEATURES & BENEFITS

- Easy to mix and apply.
- Designed to adhere to virtually all substrates and even vertical applications.
- Excellent cure characteristics.
- Excellent bond strength and chemical resistance.
- Provides an excellent surface for coating with CMCI coatings.
- Resistant to wide range of corrosive chemicals.
- Extended potlife for more practical application.

### BASIC USES

- Re-profiling surface defects upto 3mm.
- Filling pinholes and sealing surface cracks.
- Used for fairing all prepared surfaces including concrete, steel, etc.
- Concrete subjected to chemical attack.
- Sewer manholes.
- Concrete tanks.
- Secondary tie rod holes
- Marine structures.
- Wall repairs.

### STANDARD COMPLIANCE

**EPOMORT FC LPL** meets the requirement of ASTM C881.

### TECHNICAL INFORMATION

|                                  |   |
|----------------------------------|---|
| Comp. Strength (ASTM C579)       | 60 N/mm <sup>2</sup>                                    |
| Bond Strength (BS 1881 Part 207) | > 2 N/mm <sup>2</sup>                                   |
| Pot Life                         | 90 min. @ 25 °C   |
| Full Cure                        | 7 days @ 40 °C  |
| Chemical Resistance              | Resistance to wide range of common corrosive chemicals. |

### DIRECTIONS FOR USE

#### Surface Preparation

New concrete must possess an open, porous and textured surface with all curing compounds and sealers removed. Old concrete must be clean and well textured. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a pressure washer or sandblaster which will give a surface profile of a minimum 1/8" (3 mm) and expose the large aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing .

Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salts of the reaction must be thoroughly pressure washed away. Allow the concrete to completely dry.

#### Note

Even with proper procedures, an acid etched surface may not provide a bond as strong as mechanical preparation procedures.

#### Mixing

Pre -mix the complete pack of resin and hardener. Slowly add the filler to give the required handling properties for use as The quantity of filler can be adjusted to suit the required consistency. Once mixed **EPOMORT FC LPL** should be spread thinly on Polythene sheeting to prevent heat build - up and extend pot life. fairing compound or mortar . A suitable mechanical mixer should be used such as Pennine Casco or Cretangle. Mix thoroughly for 2 -3 minutes to achieve lump -free homogeneous consistency.

**Note:** Do not split packs or use part mixing

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|------------------|---|
| <b>COVERAGE</b>  | Yield about 5.60 liters.                  |
| <b>PACKAGING</b> | EPOMORT FC LPL is supplied in 10 Kg kits. |
| <b>COLOUR</b>    | Contact CMCI Tech Dept.                   |

## Application

**EPOMORT FC LPL** can be easily done by spatula , trowel, scraper, kni fe, etc. Mixed material should be placed on to the prepared surface firmly to desired thickness and level. Application should be done in thin layers and buildup thickness can be achieved by multiple-layers. The time of additional layers should be between 8 hrs. to 12 hrs., @26 ° C.

## CLEANING

Tools and equipment should be cleaned with Cemtec Solvent before the epoxy hardens.

## HEALTH & SAFETY

- Bring material as close to 21°C as possible.
- Store in room temperature environment 24 hours prior to use. Do not heat with open flame
- Epoxy components may cause irritation. Avoid contact with eye and skin.
- Do not apply over free -standing water.
- Shelf life is 1 year from date of manufacture.
- Always wear protective clothing, rubber gloves and eye protection when using product.

### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.

**"High Quality Construction Chemicals"**  
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