

## CEMENTITIOUS ACRYLIC BASED ELASTOMERIC FAIRING COAT FOR SURFACE PROFILE OF FAIR FACE CONCRETE & PLASTER SURFACES

### DESCRIPTION:

**CHEMREP FC** is a 2 component flexible acrylic modified cementitious system. This thin coating cures to form an elastomeric high strength layer with excellent adhesion. This material exhibits excellent bond strength with reduced permeability. **CHEMREP FC** forms a breathable coating. **CHEMREP FC** protects exposed reinforced concrete structures from attack of acidic gases and chloride ions.

The coating is particularly suitable for use in areas of coastal and marine environments and can be used in all types of structures, for existing and new concrete.

**CHEMREP FC** exhibits high wear resistance, weather resistance and is suitable to be used as a decorative coating. The coating provides seamless resilient and elastomeric flexible system.

### ADVANTAGES:

- Excellent resistance against the HOT & Humid climate
- Resistant to Soil Borne Chemicals
- Suitable for Plinth protection
- Non-toxic
- For interior or exterior use.
- Excellent wear resistance.
- User friendly - low odor.
- Excellent crack bridging capacity.
- Excellent bond to substrate such as concrete, masonry.

### TECHNICAL INFORMATION:

Color	Grey
Supply	Powder and Liquid
Elongation	50%
Polt Life	1 Hour
Density	1.8 Kg/Cm <sup>3</sup>
Tensile Strength	780 psi

Chloride ion Resistance	Coated	Un-Coated
6 Months	0.0004%	0.035%

### DIRECTION FOR USE:

#### Surface Preparation

Concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The final step in cleaning should be complete removal of all residues with a vacuum cleaner or by any suitable surface cleaning procedure.

### MIXING:

**CHEMREP FC** should be mixed using slow speed mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of liquid for the batch size and then add the dry product. Mix for a minimum of 3 minutes, Endeavour to avoid air entrapment. **CHEMREP FC** should be placed immediately after mixing, avoid mixing more material that can be used within 45 minutes.

### APPLICATION:

Thoroughly dampen down the concrete surface with clean water prior to application. Ideal conditions are saturated surface dry (SSD). Do not apply to dry concrete.

Whilst damp, apply **CHEMREP FC** with a bristle brush or roller at the rate of 1.8 kg/m<sup>2</sup>. This is achievable in one coat on horizontal surfaces although two coats will ensure even coverage and remove pin holing. On vertical or overhead surfaces, two coats are required. Where more than one coat is required, the previous coat should be allowed to dry prior to subsequent applications.

Spray application may be suitable for larger areas; airless spray should be used with 3-4 mm nozzle sizes. Trials should be conducted to finalize the best method for application. Equipment should be thoroughly cleaned immediately after use with water. Hardened coating may only be removed mechanically. As **CHEMREP FC** is moisture tolerant, it can be applied onto concrete that is only 24 hours old thereby giving immediate protection and curing.

Where heavy depressions, cracks or blowholes are present, reduce the amount of gauging liquid in the mix to the desired consistency and carry out re-profiling.

### PACKAGING:

20 Kg powder and 05 Kg Liquid (Two Component).

### COVERAGE:

**Approx.** 1.8Kg/Sq.m at 1 mm thickness in two coats.

