

# REPCON FC FINE

## WATER RESISTANT SMOOTHENING MORTAR



### DESCRIPTION

**REPCON FC FINE** is high quality water-resistant repair mortar based on Portland cement and crushed limestone aggregates. It can also be used for filling the crack up to a width of 4mm in the concrete surfaces.

### FEATURES & BENEFITS

- Can be used in both dry as well as wet concrete surfaces.
- Can be used in both interior as well as exterior walls.
- Highly workable. Contains some additives that impart consistency and workability to the product.

### BASIC USES

- Filling cracks, holes in the concrete surfaces.
- Levelling uneven concrete surfaces.
- Can be applied in both interior and exterior applications.
- Resistant to UV radiation and rain.

### SPECIFICATION/COMPLIANCES

It surpasses the requirements of ASTM C472-73, Clause 10, ASTM C-587-68

### Technical Information

Filter :	Precisely graded crushed limestone fraction, maximum grain size of 0.3mm.
Type of Binder	Portland cement conforming to ASTM C150.
Density	1.67 kg/liter when mixed with water.
Water/powder ratio	0.4 liter/kg

### DIRECTION FOR USE

#### Surface Preparation

The concrete surface must be sound, clean and free from dust, loose particles, oil, grease and any other foreign matter. All loose particles and other contamination must be removed by any suitable mechanical means.

#### Mixing

The dry powder **REPCON FC FINE** shall be poured into the measured amount of water and mixed thoroughly for around 3 minutes. The composition shall be

allowed to stand for a period of 15 minutes and mixed again as above. The plaster mixture shall be used within 3 hours from mixing.

#### Application

The mixed product should be applied by trowel for levelling the uneven concrete surfaces.

#### As Crack Filler

The mixed product should be pressed firmly into the cracks by spatula, putty knife or trowel.

#### Curing

The repaired area shall be cured for a period of minimum two to three days.

#### SHELF LIFE

12 months from the date of manufacture when stored properly in a shade dry place.

Properties	Typical Result	Test Method
Coefficient of Thermal Expansion @ 21°C	6.4 x10-6/°C	ASTM C 531-18
Linear Shrinkage	-0.022	ASTM C 531-18
Working Life	Approx. 45 mins @ 20°C Approx. 20 mins @ 35°C	
Setting Time	1-2 Hours @ 20°C 30 mins-1 hours @ 35°C	ASTM C 191-19
Fresh Wet Density	Approx. 200 kg/ m <sup>2</sup>	
Compressive Strength @ 23°C	1 day, 24.8 MPa 7 days, 37.4 MPa 28 days, 45.7 MPa	ASTM C 109/ C109M-20b

<b>COVERAGE</b>	Contact CMCI Tech Dept.
<b>PACKAGING</b>	REPCON FC FINE is available in 20kg bag
<b>COLOR</b>	Contact CMCI Tech Dept.

**TDS/824/B**

#### **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.

**"High Quality Construction Chemicals"**  
CONSTRUCTION MATERIAL CHEMICAL INDUSTRIES  
P.O. Box 7137, Dammam 31462, Saudi Arabia,  
Tel: 00966-13-8471450; Fax: 00966-13-8471575  
Email: tech@cmci-sa.com, Web: www.cmci.com.sa

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