

## PRODUCT DATA SHEET

### Description

SUPERPATCH FR is a high strength patching and repair mortar with added fiber. The fibers are single filaments, measuring 32 microns in diameter, cut to lengths of 6-12 mm. The fibre surfaces has been treated to improve initial dispersion and bond characteristics in the concrete. Once applied the product is grey in colour

### Principal uses

- Structural repairs to concrete
- Restoration of spalled and damaged concrete
- Repairs to honeycomb

### Advantages

- Easy to mix, apply and finish
- Reduced plastic settlement
- Reduced bleeding
- Prevents hairline cracks
- Alternative to crack control mesh

### Performance data

C271FR has been developed to meet the requirements of SABS test method 862-2:1994 and ASTM C1437-01

Compressive strength ASTM C109			
	24 hours	14 days	28 days
Addition of 3,5ℓ	18Mpa	38Mpa	52Mpa
Flexural strength	28 days		8

Early Height Change	Positive
Hardened height Change	Positive
Bond strength ASTM C-882	>12
Average cube mass	2295g

### Workability

Once mixed the product is smooth to allow for easy application, once hardened fine fibre can be burned off for a smooth finish

### Surface preparation

Concrete substrate must be structurally sound. Remove all oil, grease, paint, corrosion, dust and surface deposits. This can be done by wire brush or sand blasting. Ensure surface is wet or prime with *Plaster Master* to improve bond

For a structural bond use E181 Wet to Dry Epoxy Adhesive

### Limitations

Do not use if temperatures are below 9°C. Avoid excessive heat 35°C and higher, wet hessian may be used to reduce heat or use curing compounds to improve performance

### Mixing instructions

Pre wet concrete mixer, add between 3ℓ and 4.5ℓ of water into the mixer, depending on the consistency required. Add the contents of the bag and mix until desired slump is achieved

### Yield

Mixed with 4ℓ of water will yield 12ℓ

### Set time

Water content	Initial set	Final set
4ℓ per 25kg	2 hours	3 hours

### Packaging

SUPAPATCH FR is available in 25kg bags

### Safety & handling

Wear dust masks when mixing. Use gloves, eye protection at all times. Should the product come into contact with eyes, wash immediately and seek medical advice

### Shelf Life & Storage

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life

### Note

For further instruction please consult your local representative for a method statement on the product

**Note:** The information and specifications provided is to the best of our knowledge. The technical data contained herein are true and accurate at the date of issue and are subject to change without prior notice. No guarantee of accuracy is given or implied. We guarantee our products to conform to Epoxerite quality control. We cannot be held responsible or liable, directly or in directly for the use of our products, coverage, performance or injury resulting from use, as we have no control over the method of application used or site conditions. For further technical and method statements, contact our Technical representatives.