ASHAK epoxerite
construction chemicals

PRODUCT DATA SHEET

PRODUCT CODE: C271FR

SUPAPATCH FIBER REINFORCED

Description
SUPAPATCH 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

Property	Typical results		
Compressive strength	**24 hours**	**14 days**	**28 days**
Water @ 4ℓ per 25kg	10Mpa	32Mpa	34Mpa
Early Height Change		Positive	
Hardened height Change		Positive	
Bond strength ASTMC-882		>12	

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 Key* to improve bond

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 increased adhesion capabilities prime the surface with a mixture of cement, river sand and *Plaster key*. 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 ASHAKepoxerite 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.