

PRODUCT DATA SHEET
PRODUCT CODE: C271FR
SUPAPATCH FIBER REINFORCED

Description

SUPAPATCH FR is a high strength patching and repair mortar with added fibres. The fibres 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		
	24 hours	14days	28days
Compressive strength	10Mpa	32Mpa	34Mpa
Water @ 44 per 25kg			

Early Height Change Positive
Hardened height Change Positive
Bond strength ASTM C-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, a 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 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

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