

PRODUCT DATA SHEET

Description

C270S is a high strength multi-purpose patching and repair mortar. 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
- Excellent adhesion
- Shrinkage compensated

Performance data

C270S 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

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 approximately 12ℓ

Set time

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

Packaging

SUPERPATCH Standard 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 Master*. For further instruction please consult your local representative for a method statement on the product

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