



PRODUCT DATA SHEET

PRODUCT CODE: C256MCI

SUPAGROUT WITH MIGRATORY CORROSION INHIBITORS

Description

SUPAGROUT MCI is a non-shrink cementitious grout with additives that will migrate through concrete and when in contact with steel, forms a molecular protective film of 20÷120 Angstrom which positions between the chloride ions and the steel surface inhibiting corrosion and carbonation processes

Principal uses

- General concrete repairs
- Void filling in concrete
- Crane rail foundation repairs
- Unaffected by chlorides in concrete

Advantages

- Does not shrink
- Extends the life of concrete and repairs
- Adjustable consistency
- High bond strength to steel and concrete
- High early strength development

Performance data

Property	Typical results		
	24 hours	14 days	28 days
Compressive strength			
Water @ 4ℓ per 25kg	28Mpa	59Mpa	63Mpa
Water @ 4.85ℓ per 25kg	20Mpa	57Mpa	59Mpa

An unrestrained expansion of 1% to 4% is typical
Restrained expansion 0 - 0.4%

Flexural strength @28 days 8.2Mpa
Tensile Strength @ 28 days 4.3Mpa

Workability

The product can be mixed either into a ram-able or flowable consistency depending on your requirements

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 grout at temperatures below 9°C. Avoid excessive heat 35°C and higher, wet hessian may be used to reduce evaporation rate. Grout cannot be reworked by later addition of water. Use curing compounds for improved results

Mixing instructions

Pre wet concrete mixer, add between 3.5ℓ 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 3.5ℓ of water will yield 12ℓ
Mixed with 4.5ℓ of water will yield 14ℓ

Set time

Water content	Initial set	Final set
4ℓ per 25kg	2 hours	3 hours
4.5ℓ per 25kg	2hr35min	4 hours

Packaging

SUPAGROUT MCI 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 any epoxy grouting, precision grouting, rapid set grouting consult your local representative for related products to suit specific requirements
For further instruction please consult your local representative for a method statement

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