



PRODUCT DATA SHEET

PRODUCT CODE: C274MCI
SUPAPATCH WITH MIGRATORY CORROSION INHIBITERS

Description

SUPAPATCH MCI is a cementitious repair mortar 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. Once mixed and applied the finished product is dark 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
- Extends life of concrete and repairs

Performance data

Property	Typical results		
	24 hours	14 days	28 days
Compressive strength			
Mixed to a 50mm slump	10Mpa	32Mpa	34Mpa

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

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 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 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.