

# **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

Property

Extends life of concrete and repairs

## Performance data

- 1 - 7			-	
Compressive strength	24 hours	14 days	28 days	
Mixed to a 50mm slump	10Мра	32Мра	34Мра	
Early Height Change		Posit	tive	
Hardened height Change		Positive		
Bond strength ASTMC-882		>12		

Typical results

#### 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 4% of water will yield 12%

#### 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.

Page 1 of 1 MCITDS.doc4MCI