

# ALEXREPAIR-CFS



## Non Shrinkage, Polymer Fiber Reinforced, Sulphated Resistant, Repair Mortar

### Description

ALEXREPAIR-CFS is two components, polymer fiber reinforced repair mortar. Formulated from bonding agent and selected sulphated resistant cementitious mix.

### Uses

- Used where the concrete section is subjected To chemical attack.
- Repair of reinforced or pre-stressed beams or columns.
- Repairs in industrial areas, especially those Containing mineral oils and lubricants.
- Repair of structural members subjected to repetitive loading.
- Protective of concrete subject to attack from water containing chlorides and sulphates, etc.
- Repairs in marine environments.

### Advantages

- Extremely low permeability.
- Can be easily applied.
- Shrinkage compensation reduces the risk of cracking due to shrinkage and ensures full contact with host concrete and load transfer in structural repair situations.
- No primer required-allows rapid application at reduced cost.

### Surface preparation

- Surfaces should be clean, remove loose material, dust.
- Do not apply over oil contaminated concrete.
- Remove all unsound concrete surfaces by cheisseling,hammering or by shot blasting.
- Spray all surfaces with water but remove any free standing water.
- Do not apply over dry surface.

### Mixing:

Pour most of the liquid component (A) in a mixing container then slowly add the dry powder (B) while continuing to mix the material together.

Mix for 3 to 5 minutes until a smooth, uniform, homogenous mix is achieved.

### Standard

#### **Compressive strength**

ASTM C109

#### **Flexural strength**

ASTM C348

## **Properties**

Compressive strength	7 Days	40N/mm2
	28 Days	70N/mm2
Flexural strength	28 Days	14N/mm2
Bond strength	3 N/mm2 (concrete failure)	
Density:		
component A	1.03 kg/ lit	
component B	1.29 kg/ lit	
component A+B	2.10 kg/ lit	

## **Guide to application**

### **Application:**

ALEXREPAIR-CFS should be placed in a single continuous operation. Poured material should be introduced slowly to prevent entrapment of air.

It is essential to place the mixed material within 30 minutes of batching.

### **Curing:**

As with all cementitious material, curing is of vital importance to ensure that optimum properties are obtained. Recommended ALEXCURE WB

### **Coverage:**

Yield approximately 15 lit per 30 kg.

### **Packing:**

Is supplied in 30 kg pack,

### **Storage:**

Store out of direct sunlight, clear of the ground on pallets protected from rain fall.

protect from extremes of temperatures.

### **Shelf life:**

Up to 12 months if stored in unopened Containers.

### **Safety precautions:**

Avoid contact with eyes, mouth, and skin.

Treat splashes to eyes by water.

Non toxic.

In the event of prolonged irritation seek medical advice.

### **Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

### **Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.