

ALEXREPAIR-1



Shrinkage Compensated, Cementitious Structure Repair Mortar

Description

ALEXREPAIR-1 is one component, cementitious repair mortar. Incorporating the use of micro-fibers.

Uses

General repair and renovation of decayed, defective or damaged concrete such as:-

- Columns.
- Walls.
- Beams.
- Floors.
- Honeycombed concrete.

Advantages

- One component, just add water.
- Shrinkage compensated.
- Easy to use-simple on site addition of water.
- Excellent bond to properly prepare sound concrete.
- Free flowing- eliminates honeycombing in areas of congested reinforcement.
- Non accelerator set to improve handling in hot temperatures

Surface preparation

- Surfaces should be clean, remove loose material, dust.
- Do not apply over oil contaminated concrete.
- Remove all unsound concrete surfaces by chiseling, hammering or by shot blasting.

- Spray all surfaces with water but remove any free standing water.
- Do not apply over dry surface.

Mixing:

It depends on desired consistency, for normal application add 4-4.5 liters of water to 25 kg of ALEXREPAIR-1. Mechanically mixing is recommended.

Standard

Compressive strength

ASTM C109

Flexural strength

ASTM C348

Properties

| Form | Powder | |
|----------------------|------------------------|---------------------|
| Colour | Grey | |
| Pot life | 35 minutes @20°C | |
| Compressive strength | 7 Days | 40N/mm ² |
| | 28 Days | 55N/mm ² |
| Flexural strength | 9N/mm ² | |
| Bond strength | 2.50 N/mm ² | |
| Density: | 2.00 kg/lit | |

Guide to application

Application:

ALEXREPAIR-1 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 5.5 lit per 25 kg.

Packing:

Is supplied in 25 kg pack,

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.

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.

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