

ALEXREPAIR-EP20



High Strength, Non Flow Epoxy and Repair Mortar

Description

ALEXREPAIR-EP20 is three component consisting of an component (A) epoxy resin, component (B) hardener and component (C) special fillers.

ALEXREPAIR-EP20 is a stiff but easily workable, compound that can be applied by either trowel or knife. It is resistant to oils, greases, petroleum, salts, many acids and alkalis. It can be used to repair virtually any concrete surface.

Uses

- For concrete repair specially when subjected to chemical attack.
- Fixing slip bricks to concrete.
- Dowel bars anchoring.
- Repairing surface defects or to honeycombing concrete in horizontal and vertical.
- Filling bolt pockets.

Advantages

- Chemical resistant.
- Non shrink.
- High strength.
- Strong adhesion.
- Impact resistant.
- Easy to use.
- No bonding agent or primer required.

Surface preparation

Surfaces should be brushed clean to remove loose material, dust, dry. Do not apply over oil contaminated concrete.

Mixing:

Add component (B) to component (A) and mix by using mechanical drill for 3 minutes.

Add component (C) while mixing till reach a homogenous consistency.

Standard

Compressive strength

ASTM C109

Flexural strength

ASTM C580

Bond strength

ASTM C882

Properties

Compressive strength	78 N/mm ²	
Flexural strength	26 N/mm ²	
Bond strength	23 N/mm ²	
Density	2012kg/m ³	
Solid content	100%	
Pot life	20°C	45 minutes
Initial hardness	20°C	24 hrs
Full cure	20°C	7 Days

Guide to application

Application:

ALEXREPAIR-EP20 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.

Coverage:

Yield approximately 5 lit per 10 kg.

Packing:

Is supplied in 10 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.