

ALEXGROUT ANCHOR

Epoxy Resin Adhesive for Anchoring



Description

ALEXGROUT ANCHOR is a solvent free, two component, non shrinkage. It is based on a combination of high strength epoxy resin, component(A)and curing agent component (B) to produce a highly bond strength for concrete and steel with high mechanical properties and high chemical resistance.

Uses

- Fixation of steel dowels and starter bars.
- Fixation of anchor bolts.
- Adhesive leveling for concrete, stone, rendering, mortar, steel, aluminum, polyster and glass.
- Repair of concrete surface.
- Filling crack in concrete surface.
- Adhesive for precast concrete units, curbstone.....etc

Advantages

- Non shrinkage.
- Easy to apply.
- Solvent free.
- Odourless.
- High tensile and mechanical strength.
- Chemical resistant.
- Workable at low temperature.
- Excellent adhesion to most substrates.
- High bond strength greater than tensile concrete strength.

- High abrasion resistance.

Surface preparation

All surfaces must be clean, free from frost standing water and loosely adhering particles which affect the bond between ALEXGROUT ANCHOR and the substrate.

Cement laitance must be removed and the surfaces to be treated must be mechanically roughened.

Properties

colour	Light Grey	
Pot life	100 min	25°C
Mixed density	1.65 ±0.05 kg/lit	
Tensile strength	25 N/mm ²	
Compressive strength	80 N/mm ²	
Flexural strength	40 N/mm ²	
Water absorption	0.20%	
Elongation at break	less than 2%	
Bond strength after 14 days cure		
To concrete	14 N/mm ²	
To steel	20N/mm ²	

Guide to application

Mixing:

Mix component (A) and component (B) well until the material become homogenous and smooth in consistency(at least 2 min). A mechanical mixer can be used with (600 rpm).

Standard:

Compressive strength

ASTM D-695

Tensile strength

ASTM D-638

Bond strength

ASTM C-882

Water absorption

ASTM D-570

Elongation at break

ASTM D-638

Heat Deflection temperature

ASTM D-648

Linear Coefficient of shrinkage

ASTM C-844

Coefficient of thermal expansion

ASTM C-580

Coverage:

5 kg of **ALEXGROUT ANCHOR** will yield 2.50 lit

Storage:

Store under cover, out of direct sun And protect from extremes of temperature, in tropical climates.

Packing:

Is supplied in 1 kg- 5 kg

Shelf life:

Up to 12 months if stored in unopened containers

Safety precautions:

Avoid contact with eyes, mouth, and skin.

Treat splashes to skin and eyes immediately,

If accidentally ingested seek medical attention.

Re-seal containers after use.

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.

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