

ALEXGROUT FN



High Strength Non Shrinkage- Solvent Free – Epoxy Foundation Grout

Description

ALEXGROUT FN is high performance, non-Shrink, epoxy grouting material for support and precision of heavy equipment to ensure the proper transmission of static and dynamic loads to the equipment foundation.

Uses

- To fill gaps in concrete structure.
- Steel columns for warehouses
- High bond between concrete and steel Surface.
- High mechanical and physical properties.
- Concrete area subject to chemical attaches.
- Under machines, equipment grout.
- Grout around anchor bolts, bockets, fixing bolts.
- Grout under steel columns, base plates in ware houses and storage areas.
- Dynamic crane nails (vibrated or high loads)

Advantages

- Resist Dynamic load.
- Non primer required
- High tensile, flexural and compressive Strength
- Solvent
- Non shrink
- Chemical attack resistance.
- High bond between concrete and steel Surface.

- High mechanical and physical properties.

Surface preparation

The concrete surface must be chipped so that large aggregate is exposed to ensure removal of all laitance and weak surface material.

New concrete surface must be clean and dry when the grout is poured.

The concrete areas to be grouted should not be primed or sealed.

Un grouted exposed concrete surfaces may be sealed to prevent oil penetration.

Properties

Colour	Dark grey	
Tensile strength	14MPa	
Density	6	2100 Kg/m3
Compressive strength development when cured at (fill ratio 6:1)	Time	40°C
	24 Hrs	80 N/mm2
	72 Hrs	80 N/mm2
	336 Hrs	70 N/mm2

Guide to application

Mixing:

Add component B (Hardener) to component A (Base) and mix by using low speed drill (250 r.p.m) till reach the homogeneity.

During mixing A&B add the third component (C) aggregate to the

mixed compound gradually (part by part). After reaching the homogeneity for the three components, still mix the mixture for at least 3 minutes.

Standard:

Compressive strength

ASTM D-695

Tensile strength

ASTM D-638

Flexural strength

ASTM C-293

Bond strength (14 days cure)

ASTM C-882

Water absorption

ASTM D-570

Elongation at break

ASTM D-638

Linear coefficient of shrinkage

On curing

ASTM C-844

Heat Deflection Temperature

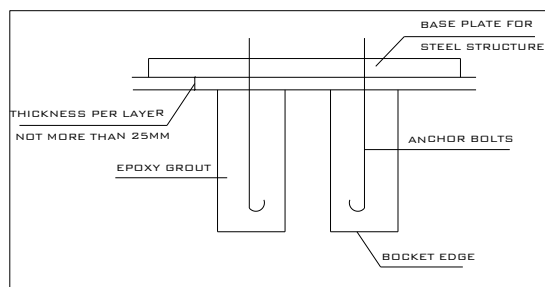
ASTM D-648

Coefficient of thermal Expansion

ASTM C-580

Application:

- Self leveling grout normally no need for using vibrator.
- In large quantity use a thin rod vibrator.
- Pour the grout from one side using head to reach a continuous flow.
- Pour in single application with a maximum depth of 60 mm, for application deeper than 60 mm pour in lift of maximum depth 60mm, confirm the sealed shuttering.



Coverage:

24 Kg of **ALEXGROUT FN** will yield 12lit.

Storage:

Store under cover, out of direct sun
And protect from extremes of temperature, in tropical climates, the product must be Stored in an air-conditioned environment
Failure to comply with the recommended Storage conditions may result in premature Deterioration of the product or packing.

Packing:

Is Supplied in 24 Kg.

Shelf life:

Up to 12 months if stored in unopened Containers according to the manufactured Instructions

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.