

FIBGROUT-HF

High - Tolerance / Non - Shrink Grout

DESCRIPTION

Fibgrout - HF is specially designed for use where high tolerance, high strength and high fluidity are required. It is formulated as a natural aggregate system with a shrinkage- compensating binder and is highly flowable without sacrificing strength or performance capabilities. Fibgrout - HF is formulated to provide consistency and exacting performance in critical grouting

AREAS OF APPLICATION

- Heavy duty grouting of machinery and equipment.
- Bridge Seats
- Structural Columns
- Bending Plates
- Crane Rails
- Anchorages

FEATURES & BENEFITS

- Highly fluid and extremely placeable for easy field use.
- High strength for maximum load bearing.
- Non-Shrink with minimum positive expansion for high tolerance performance.
- Non-bleeding and non-segregating at a fluid consistency.
- Does not contain any chlorides or additives which may contribute to corrosion of base structure.
- Total shrinkage compensation, which provides a maximum bearing surface for the greatest overall support.
- Rapid strength gain to minimize turn around time for equipment regrouts.
- Excellent working time at high ambient temperatures.

TECHNICAL SPECIFICATIONS

The following results were developed under laboratory conditions. Tested at fluid consistency 4.5 liter of water/25 kg grout.

COMPRESSIVE STRENGTH - ASTM C - 1092

(50 mm) cubes

3 days	:	250 kg/cm ²
7 days	:	300 kg/cm ²
28 days	:	500 kg/cm ²

SETTING TIME - ASTM C -191

Initial set	:	3 hours, 50 min.
Final set	:	4 hours, 50 min



FLOW RATE - ASTM C -939 & CDR-C611

(Defined as fluid by CRD-C 621 & ASTM C -1090)

Initial	: 16 seconds
30 minutes	: 29 seconds
60 minutes	: 31 seconds

VOLUME CHANGE - ASTM C-1090 & CRD-C-621

1 day	: +.07%
3 days	: +.07%
7 days	: +.07%
28 days	: +.07%

APPEARANCE

Fibgrout HF is a free flowing powder designed to be mixed with water. After mixing and placing, the colour may initially appear much darker than the surrounding concrete. While this colour will lighten up substantially as the concrete cures and dries out, the grout may always appear somewhat darker than the surrounding concrete.

GENERAL INFORMATION

While Fibgrout- HF is designed to be fluid poured at temperature ranges from 5oC - 10oC the products is most easily poured at temperatures of 30oC.

MIXING

Do not uses this product as a flow cone rate of less than 20 seconds if checking flow rates on the job site. Where Shaligrout-50 will be placed at deep thickness, up to 9.1 kg of pea gravel may be added to each bag of grout. Note that the water demand to achieve a certain flow level of the grout will change. Do not add sufficient water to promote bleeding of the grout. Do not add water in an amount that will cause bleeding or segregation. More or less water may be required to achieve a 25 second flow or the desired placing consistency, depending on temperatures and other variables. Do not add sand or cement to the grout since this action will change its precision grouting characteristics.

PLACING

Fibgrout HF should be placed continuously.

CURING & SEALING

Proper curing procedures are important to ensure the durability and quality of the grout. Wet cure the grout until the forms are stripped. Then, cure the grout with high solids curing compound such as Super Rezseal, Super Floor Coat or Super Aquacure VOX as described in the general grouting application instruction guide.

- The information given here is offered in particular support to the mixing and placing of Fibgrout HF.
- The information should be used in conjunction with the application instructions guide mentioned above

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PACKAGING

Fibgorut HF is packaged in 25 kg bags and yields 0.0125m³ of fluid grout when mixed with 4.00 litres of water

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