

X-Mix GF

Single filament GlassFibers -reinforced concrete.

Product Description

X-Mix GF is individual filament of "E" Glass fibers chopped strands.

Composition

X-Mix GF is chemical inorganic fiber obtained from molten glass composed primarily of the oxides of calcium, aluminum, and silicon, which has the following certified chemical compositions.

Advantages

- Lightweight & have very good insulation to electricity.
- Increase tensile and flexural strengths.
- resistance to corrosive attacks.
- Reduce air, water & chemical voids that inherent porosity of gel.
- Fast and good dispersion in resins.
- Increased Abrasion Properties & Impact Resistance.
- Have excellent mechanical properties.
- Higher resistance to later cracking.
- Improved crack distribution.
- Reduced shrinkage of early age concrete.
- Low Viscosity and excellent flow-ability of the paste.
- Improved durability of the structure.

Uses

X-Mix GF are used in the following applications:

- Electrical environment.
- High moisture & temperature environment.
- Architectural projects.
- Landscape furnishings.
- Airfields and runways.
- Exterior ornamentation.
- Water Retaining Structures.
- Bridges & Concrete Buildings.
- Repair Materials.
- Interior details.
- Precast, Extruded Concrete & Pattern Imprinted Concrete.
- Piling Concrete.

Laboratory Test Data

| Property | Typical Results |
|------------------|---|
| Natural | Glass fiber for Reinforced Concrete.(ASTM D578) |
| Type | "E" glass. |
| Color | Natural white. |
| Shape | Single filament fiber. |
| Standard lengths | 6, 12, 18 & 24 mm. |
| Diameter (K) | 12.70 - 13.96 micron. |

Specification Compliance

SCAQMD Rule 1168.
ASTM D578.
ASTM C1116.

Volatile Organic Content

VOC = <20 g/L.

Packaging

0.9 kg bags.

Dosing Instructions

Add fibres first along with half of the mixing water. Then add other ingredients cement, aggregates and the remaining mixing water with 70 revolutions at full speed to ensure uniform fibre dispersion.

Shelf Life

Indefinite when stored under shade in a dry environment.

Storage

Store under shade out of direct sunlight and below 40°C. Keep dry at all times.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg.

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists (ATSSOs) are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATSSOs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price.

NCC X-Calibur does not warrant or guarantee the installation of the products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to X-Calibur in writing within five working days of being detected. NCC X-Calibur

Construction Chemicals **makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied.** NCC X-Calibur Construction Chemicals shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

NCC

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Quality Statement

All Products manufactured by NCC X-CALIBUR or imported from X-CALIBUR companies world-wide are manufactured to procedures certified to conform the quality, environment, systems described in the ISO 14001:2004. ISO 9001:2000.



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