

FIBERSTRAND GF

GLASS FIBER REINFORCEMENT

FIBERSTRAND GF is a high quality alkali resistant glass fiber designed specifically for secondary reinforcing of concrete. **FIBERSTRAND GF** contains a high percentage of zirconia (ZrO_2), which enhances its resistance to alkali in cement composites. It has excellent workability characteristics, non-combustibility characteristics, and corrosion resistance and also has high tensile strength. **FIBERSTRAND GF** fibers totally disperse into the concrete mix when added at the batch plant or at the job site.

PRIMARY APPLICATIONS:

- Flatwork of industrial, commercial and residential concrete projects.
- Footings, foundations, walls and tanks.
- Concrete pipe, burial vaults and prestressed beams.

BENEFITS:

Plastic Concrete

- Controls or eliminates plastic shrinkage cracks.
- Reduces segregation.
- Minimizes bleed water.
- Provides three-dimensional reinforcing versus two-dimensional with wire mesh.

Hardened Concrete

- Reduces cracking.
- Increases surface durability
- Reduces permeability
- Increases strengths.

Other

- Reduces in-place cost versus concrete with wire mesh.
- Faster form removal.
- Totally safe compared to extruded reinforcing mesh.
- Easy to use and can be added to the concrete mix at any time prior to concrete placement.

TECHNICAL INFORMATION:

Typical Engineering Data

Material.....	Glass fiber
Density.....	2.7 g/cm ³
Thermal expansion coefficient	9*10 ⁻⁶ /°C
Softening Point	830°C
Tensile strength	1.4 GN/m ²

Young's Modulus	74GN/m ²
Strain to failure	2
Acid Resistance.....	Excellent
Mildew Resistance	Excellent

PACKAGING:

FIBERSTRAND GF is packed in 5 kg and 10 kg bags.

DIRECTION FOR USE:

FIBERSTRAND GF can be added any time prior to placement of the concrete. It is recommended that it be added at the ready mix concrete plant during batching, but it can work equally well when introduced at the job site. **FIBERSTRAND GF** must be mixed with the concrete for a minimum of 3 minutes at maximum drum speed to assure total dispersion and uniformity.

FIBERSTRAND GF reinforced concrete has greatly improved properties over those associated with conventional mortars and concrete.

Features of FIBERSTRAND GF Reinforced Concrete.

1. Light weight due to thin section
2. Design flexibility
3. High bending strength
4. High impact strength
5. High toughness and cracking resistivity
6. Non-combustibility.

QUALITY STATEMENT

CMCI manufacture its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with Quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products. CMCI also offers full technical field support to consultants, Architects, Contractors, applicators and End Users

The Technical Specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.