



CX SUPERSTRENGTH FIBER GS

ANTI-CRACK & REINFORCEMENT GLASS FIBER FOR CONCRETE & MORTAR

Description :

- **CX SUPERSTRENGTH FIBER GS** is a specially designed Glass fiber which Instantly disperses out through the mix and improves and Increases the compressive & tensile strength of concrete and mortar.
- It highly improves the durability of structure and prevents the shrinkage cracks which are developed during curing making the concrete structure and plaster stronger.
- It prevents moisture from entering throughout the concrete and mortar structures. **CX SUPERSTRENGTH FIBER GS** also works as a secondary reinforcement in concrete.

Uses:

- Concrete blocks, Railway sleeper, Manhole covers & tiles etc.
- Roads & pavements.
- Bridges & dams.
- Slabs, Footings, Foundation, walls and tanks.
- PCC & RCC plastering
- Pipes & beams

Advantages:

- Prevents shrinkage cracks
- Improves tensile and compressive strength
- Reduces water permeability
- Helps prevent the corrosion of steel for primer reinforcement of concrete and mortar
- Reduces density ensures more yield of mix.
- Minimizes steel reinforcement in industrial floors
- Cost effective
- Environmental friendly
- Non-hazardous
- Disperses and separates in the dry ready mix easily
- Economical
- Increases flexibility of concrete
- Non corrosive, non-magnetic, chemically inert and 100% alkali proof so no reaction will cause with aggregate and cement alkalis.

Standard:

- It confirming to ASTM C-1116: As per standard specification for fiber-reinforcement concrete.



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TECHNICAL PROPERTIES

- Thermal shrinkage cracks: Significant reduction
- Water penetration: Significant reduction
- Abrasion Resistance: About 30-40% Improvement over Concrete
- Flexural Strength: 15% Significant Improvement
- Compressive Strength: 10% TO 17% Significant Improvement
- Rebound Loss: About 60-70% reduction
- Dosage: 85 gms per 50kg cement

PACKING & DOSAGE

- **CX SUPERSTRENGTH FIBER GS** is supplied in 85 gms pack. The addition rate of **CX SUPERSTRENGTH FIBER GS** varies with grade of concrete and mortar. For optimum performance 85 gms pack should be used with 50 kg. of cement.

SHELF LIFE & STORAGE

- **CX SUPERSTRENGTH FIBER GS** will have a shelf life of 36 months in unopened condition when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

- **CX SUPERSTRENGTH FIBER GS** is non-toxic and non-flammable.

SPECIFICATION

- **CX SUPERSTRENGTH FIBER GS** is a specially designed Glass fiber for concrete and mortar used at a rate of 85 gms/50 kg of cement, strictly in accordance with the instruction of CHEMAX.