

TRI- STEEL FIBER

End Hooked steel fiber for concrete proprieties enhancement

Description

Tri- Steel fiber is a end hooked low carbon, cold-drawn steel wire designed to reinforce slab on grade concrete and enhance Reinforced constructional elements with shrinkage crack control and Improved shear resistance and increases tensile and flexure strength.



Uses

Tri- Steel fiber is used in heavy duty construction works such as:

- Road ways and highways.
- All mega-concrete structure.
- Airports run ways.
- Industrial plants.
- Railways.
- Pipelines.
- Tunnels and mining works.
- Hydraulic dams.
- Port and marine engineering.

Advantages

- Prevent shrinkage cracking.
- Improve cohesiveness in concrete.
- Add abrasion resistance.
- Ultra impact and fatigue resistance.
- High durability.
- Construction cost moderate.

Technical Data

DISCRETIONS	VALUE
Length (L)	50 - 55 mm \pm 3 m
Diameter (D)	1 mm (+/- 0.05 mm)
Middle length	40 mm (+/- 3 mm)
Height of hook	2.10 - 2.90 mm
Length of hook	4 - 6 mm
Tenstile Strength	Minimum 1400 N/mm ²
Rate of use	15 - 35 kg per m ³

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Directions for use

Tri - Steel Fiber is added either to the dry components before mixing or to the already mixed Green concrete into the mixer just before starting the pouring Operation .In both cases ,a few minutes mixing is enough to obtain a good Dispersion of the fibers.

Package

25 kg paper cartoon.

Shelf Life

The shelf life of the product is 3 years in unopened condition if stored as Per the recommendations.
Exposure to high temperature and humidity will result in considerable Deterioration of the product and reduce its shelf life.

Storage

Store under shade, out of direct sunlight and protect from extreme temperatures
In tropical climates the product must be stored in air-conditioned environment.

Fire

Tri- Steel fiber is non flammable.

Health and Safety

Tri- Steel fiber is not considered hazardous if used correctly, but for more safety It's recommended to wear safety tools such as glasses,gloves and safety shoes and helmet.



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