

TRI- CONCRETE FIBER

Polypropylene Synthetic fiber for Concrete

Description

Tri-Concrete Fiber is a monofilament Polypropylene Synthetic fiber which is Introduced in Concrete to inhibit the formation of plastic shrinkage cracking,

The product is certified by National Research Center.

This product meets the requirements of ASTM C 1116 and C 1399.



Uses

Tri-Concrete Fiber is used in construction of:

- Road ways and highways.
- All concrete structure.
- Shopping Mall.
- Airports run ways.
- Industrial plants.
- Canals and small areas.
- Cars parks and Cars service station.

Advantages

- Inhibit plastic shrinkage cracking.
- Improve cohesiveness in concrete.
- Add abrasion resistance.
- Alkali proof, Simple to use.
- Improve durability
- Better impact and fatigue resistance.
- UV Resistant.
- Reduce Permeability.

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Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
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www.trichem.com

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Polypropylene Synthetic fiber for Concrete

Technical Data @°25c

DESCRIPTION	VALUE
Absorption	Zero
Fiber length	12 to 20 mm.
Elongation %	14-15 %
Thermal conductivity	Low
Melting point	170 °C
Ignition point	590 °C
Electrical conductivity	Low
Rate of Use	0.600 - 0.900 kg/m ³ of concrete
tensile strength	460 - 550 mpa
young's modulus	5000 - 6700 mpa

Derictions for use

Tri-Concrete 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

0.900 kg bag

Shelf Life

2 years in original packing.

Storage

Should be stored at room temperature in dry warehouse.

Health and Safety

Tri-Concrete Fiber is flammable , keep away from sources of ignition. No smoking. In the event of fire, extinguish with CO₂ or foam .

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