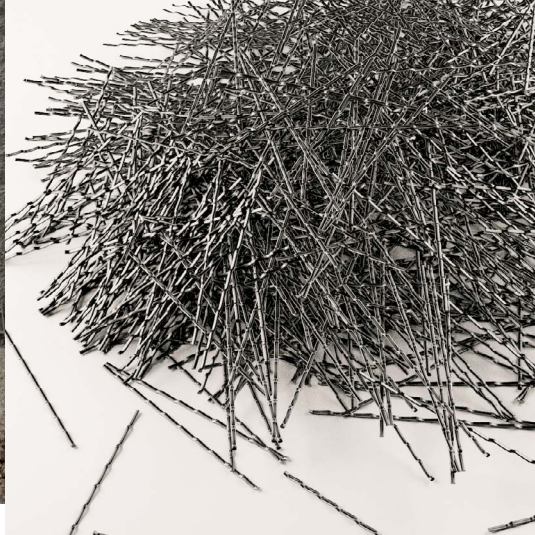


# **FiberCon**

## MF Concrete Reinforcement Fiber

**FiberCon MF**, is a concrete reinforcement fiber with superior physical and chemical properties designed for non-structural reinforcement purposes.

The products ribbed surface structure provides the concrete ballistic property and improves its energy absorption capabilities. The product also improves the bending resistance, tensile strenght and compressive strenght of the concrete it is added. The product is dsitributed homogenously in the concrete mixture.



## **FiberCon**

### MF Concrete Reinforcement Fiber

#### FIELDS OF APPLICATION

**FiberCon MF** is the most recent and technical product used at the concrete fiber reinforcement systems.

It is recommended to use **FiberCon MF**;

- At the plant, warehouse and industrial floor concrete
- At wet and dry shotcrete applications
- At underground structures, tunnels and gallery concrete
- At military structures, shelters and ammunition depots
- At concrete roads and sliding form barriers
- At precast and prefabricated elements
- At the parking lot and ramp concrete
- At concrete channel, canalette and irrigation structures
- At water reservoirs, swimming pools and coastal structures
- Everywhere where required as auxiliary reinforcement
- At sports field concrete

The consumption quantity varies in the range of 3-9 Kg/m<sup>3</sup>.

**Note: The structural reinforcement requirement CAN NOT be reduced by use of synthetic fiber and steel fiber addition.**

#### ADVANTAGES

- The product significantly reduces shrinkage and settlement cracks of the plastic concrete.

- The product is an effective alternate to the welded wire fabric where uses as secondary reinforcement.
- The products reduces rebounding problem of shotcrete (spray concrete) applications.
- The products reduces segregation at vertical concreting operations (such as curtain Wall, column etc.).
- The product improves fracture and disintegration resistance of the edges-corners at the joints and concrete terminations.
- The product improves fracture and spalling resistance of the joint edges and corners.
- It is not necessary to modify the design properties of concrete mixtures.
- Th product provides a ductile structure to brittle concrete.
- The product does not damage the machinery, equipment and devices during application.
- Logistics, supply and procurement process is short and economic.
- The product improves durability of the concrete.

#### PACKAGING AND STORAGE

The product is dispatched in cardboard as 4 kg. The product must be stored at well-ventilated spaces free of humidity.

The product must be protected against frost. The product becomes brittle at Tg < -18 °C . The products remaining in the opened package can be reused if the package is sealed tightly. Shelf life of the product is 24 months as from the date of manufacture.

#### TECHNICAL SPECIFICATIONS

Properties	Standart
Density	0,95 g/cm <sup>3</sup>
Fiber Length	40/50/60 mm
Type	Macro Bar Chip
Strength	750-900 Mpa
Elongation	>%15
Young Module	>5500 Mpa
Chemical Resistance	High Resistant
Water Absorbtion	None
Melting Point	180 - 200 °C

Carton Packaging

