



# FiberCon

## FF Concrete Reinforcement Fiber

**FiberCon FF**, is a polymer based concrete fiber reducing shrinkage and settlement cracks.

**FiberCon FF** produced from 100% polypropylene monotape fibrillated yarn and has net like shape.

**FiberCon FF** distributed homogenously in plastic concrete or wet mix shotcrete easily without balling.

The product is highly resistant to concrete alkaline environment and resistant to on-chlorine chemicals in low temperatures.



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## FIELDS OF APPLICATION

**FiberCon FF** is a universal product used at concrete, screed, precast elements and special concrete applications.

**FiberCon FF** is used at the following as a non-load bearing reinforcement.

- At sports field concrete
- At the plant, warehouse and industrial floor concrete
- At suspended floor, hollow core slab and cartridge form systems
- At concrete roads and sliding form barriers
- At concrete channel, canalette and irrigation structures
- At lightweight prefabricated elements with non-load bearing properties
- At floating screed thin floorings
- At the parking lot and ramp concrete
- At lightweight concrete (CLC-Cellular Light Concrete) applications
- At precast and prefabricated elements
- At wet shotcrete applications
- At water reservoirs, swimming pools and coastal structures
- At the concrete to be subjected to thermal stress.

The consumption quantity varies in the range of 750-1800 g/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 reduces shrinkage and settlement cracks of the plastic concrete.
- The product reduces segregation at vertical concreting operations (such as curtain Wall, column etc.).
- The product improves impact resistance of the concrete.
- The product provides a ductile structure to brittle concrete.
- The product improves durability of the concrete.
- The product improves fracture and spalling resistance of the joint edges and corners.
- As the product prevents formation of capillary zones, it reduces permeability of the concrete.
- The product improves freezing-thawing resistance of the concrete.
- The product delays corrosion of the reinforcement.
- It is not necessary to modify the design properties of concrete mixtures.

## PACKAGING AND STORAGE

The product is dispatched in 900 gram water soluble paper or 1 kg PE plastic bags.

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	0,91 g/cm <sup>3</sup>
Fiber Length	9/12/18 mm
Type	Fibrillated
Strength	450-700 Mpa
Elongation	>%15
Young Module	>3800 Mpa
Chemical Resistance	High Resistant
Water Absorbtion	None
Melting Point	160 - 180 °C

Paper Packaging

