



FiberCon

MLF Concrete Reinforcement Fiber

FiberCon MLF is a polymer based concrete fiber reducing shrinkage and settlement cracks at the cement-based products and improving freeze-thawing, fire, impact and abrasion resistance.

FiberCon MLF made 100% polypropylene and distributed homogenously in the concrete mixture without balling.

FiberCon MLF is highly resistant to concrete alkaline environment and also resistant to other non-chlorined chemicals in low temperatures.



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FILEDS OF APPLICATION

FiberCon MLF is a universal product used at concrete, screed, precast elements and plaster mortar.

FiberCon MLF is used at the following for preventing the crack formation;

- At screed concrete
- At precast concrete element used at the tunnels as passive fire protection
- At cement-based mortars used for repairs, plastering, grading and insulation purposes
- At thin floorings
- At precast and prefabricated elements
- At the concrete to be subjected to thermal stress
- At the parking lot and ramp concrete
- At sports field concrete
- At suspended floor, hollow core slab and cartridge form systems

The consumption quantity varies in the range of 450-1200 g/m³.

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 improves adherence at the at the mortars.

- The product serves as passive fire protection at indoor spaces such as tunnels, at the refractor industry, at high temperatures and at reinforced concrete structures with a risk of fire.
- The product also serves as micro reinforcement when mixed to dry mortar and premix products.
- The product improves fracture and 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.

PACKAGING AND STORAGE

The product is dispatching in 600 gram or 900 gram water soluble paper 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 ³
Fiber Length	6/12/12/24 mm
Type	Soft/Multifilament Form
Strength	380-650 Mpa
Elongation	>%15
Young Module	>3400 Mpa
Chemical Resistance	High Resistant
Water Absorbtion	None
Melting Point	160 - 180 °C

Paper Packaging

