



MASTER CHEMICALS TECHNOLOGY

MC- Fiber

Synthetic Fiber Mesh-Reinforcement System

Description :

MC-Fiber is a Polypropylene Synthetic fiber mesh which is introduced in concrete shotcrete and plastering mixes to inhibit the formation of plastic shrinkage cracking ,this product meets the requirements of ASTM C 1116 and C 1399 .

Uses :

MC - Fiber is used in construction of :

- ◆ Road ways and high ways .
- ◆ Shopping Mall .
- ◆ Airports run ways .
- ◆ Industrial plants .
- ◆ Canals and smillares .
- ◆ Cars service station .

Advantages :

- Inhibit plastic shrinkage cracking .
- Add abrasion resistance.
- Alkali proof.
- Simple to use.
- Anti-bacterial growth .
- Three dimensional secondary reinforcement.
- Improve cohesiveness in concrete.
- Reduce Permeability.
- Improve durability.
- Better impact and fatigue resistance.
- U.V. Resistant .

Technical Data:

Specific gravity	: 0.90
Absorption	: Zero
Fiber length	: 12 to 75 mm.
Fiber Thickness (mm.)	: $0.0965 \pm 10\%$
Modules of elasticity (Youngs)	: 3600-3900 MPa
Elongation %	: 14-25
Force of tensile strength	: 550-600 MPa
Thermal conductivity	: Low
Minimum residual average strength	: 50 Psi = 0.35 MPa
Melting point	: 160 °C
Ignition point	: 590 °C
Electrical conductivity	: Low
Acid and salt resistance	: High

Rate Of Use :

The dosage rate of **MC-Fiber** is 0.90 kg/m^3 of concrete.

Direction For Use :

MC – **Fiber** is added either to the dry components before mixing or to the already mixed paste 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 .

Compatibility :

MC- **Fiber** is compatible with all the other concrete admixtures .

*For more details contact **Master Chemicals Technology** technical department
Or visit our website www.mc.com.eg*

MASTER CHEMICALS TECHNOLOGY

11 Ahmed Kamal str, - Heliopolis

Tel / Fax : 26244491 / 26244492

Mob : 01001615868