CONSTRUCTION POLYPROPYLENE (PP) FIBRES – CPP12

for Better Quality & Durability

APPLICATION

These are Polypropylene (PP) fibers of 12 mm length. These micro fibers prevent crack formation and provide reinforcement. They are mainly used in mortar where thickness of plaster is 10 mm or more. They are suitable for waterproofing or repair of structures. They are also used in concrete, where mixing is manual. Suitable care has been taken to ensure dispersion of fibres in the mix. It conforms to ASTM C 1116/C 1116M – 10a 4.1.3 Type III & BS EN 14889-2: 2006.

DOSAGE

Minimum Dosage:- **For concrete**- 600gm/m^3. **For mortar**- 900gm/ m^3.
For Fire Protection of Concrete:- 1.0 Kg/m^3 (min.). Results improve with higher dosage of fiber. Kindly optimize the dosage depending on the requirement.

HOW TO USE?

For Machine mixing:- Small quantity of water is dosed in empty drum to clean the drum after each batch. Add fibre in the rotating drum. Then add the chips/sand/cement/water in the concrete mixer and continue normal operation.
For Manual Mixing:- The fibers are dosed in a bucket half filled with water. The water in stirred vigorously, which disperses the fibers. The water and fiber mixture is spread over the other cementatious mix.
For dosing in Ready Mix Truck:- Add fibres in small lots in the rotating drum. After dosing is complete allow extra 20-30 revolutions of drum at maximum RPM.

SPECIFICATION

Material	:	100% virgin Polypropylene (PP)
Length	:	12.0 +/- 0.25 mm
Diameter	:	24 micron (approx.)
Aspect ratio	:	500 (approx.)
Melt Point	:	162 ^{O}C
Specific Gravity	:	0.91
Thermal & Electric Conductivity	:	Low
Alkali Resistance	:	100% Alkali Proof
Acid & Salt Resistance	:	High

Note: Addition of fibers to a given mix may appear to decrease the slump. The workability, however, will not be affected and additional water should not be added.