



for Better Quality & Durability

POLYPROPYLENE (PP) CONSTRUCTION FIBRES – CPP50

APPLICATION

These are Polypropylene (PP) macro fibers of 48mm-50mm in length for reinforcement in concrete. The long length of the fiber holds different components of concrete together, thereby providing a better reinforcement thus increases the strength and properties of concrete. It has been used in floorings, roads, slabs and other load bearing structures. A special treatment is done on the surface of fibre for better dispersion in concrete mix. It conforms to ASTM C 1116/C 1116M - 06 4.1.3 Type III & BS EN 14889-2: 2006

DOSAGE

For secondary reinforcement - Above 600gm/m³

For primary reinforcement (in concrete floors/precast) - Above 1000gm/m³.

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 dosing in Ready Mix Truck - Add fibres in small lots in the rotating drum. After dosing is complete allow extra 20-30 revolutions of the drum at maximum RPM.

SPECIFICATION

Material	:	100% virgin Polypropylene (PP)
Length	:	50.0 +/- 2.0 mm
Diameter	:	40 micron (approx.)
Aspect ratio	:	1250 (approx.)
Melt Point	:	162 °C
Specific Gravity	:	0.91
Thermal & Electric Conductivity	:	Low
Alkali Resistance	:	100% Alkali Proof
Acid & Salt Resistance	:	High



Figure 1 :- CETEX CPP40

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.