



for Better Quality & Durability

POLYPROPYLENE (PP) CONSTRUCTION FIBRES - CPPST

APPLICATION

CETEX CPPST are graded (mixed length) Polypropylene (PP) synthetic fibers suitable for various concrete structural works. It is a blend of 24 to 50mm length fibers. Each fiber being longer than maximum size of aggregate, hence each and every strand of fiber is effectively reinforces. Due to long length, 48 - 50mm gives better anchorage and reinforcement while 24mm increases the number of fibers in a given dosage, preventing crack formation. It has been found that graded fibers give better result compared to individual length fibers. It is the most popular for concrete application. Suitable care has been taken to ensure dispersion of fibers. It conforms to ASTM C 1116/C 1116M & BS EN 14889-2:2006.

It is recommended for heavy load bearing structures like Industrial floor, road, high impact concrete, slabs, dams, etc.

DOSAGE

For crack prevention- 600gm/m³(minimum); **Recommended Dosage** - 900gm/m³

For primary reinforcement (in concrete floors/precast)-Above 1.0 - 6.0 kg/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	:	24.0 – 50.0 mm
Diameter	:	28 – 40 micron
Aspect ratio	:	860 - 1250
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.