



Product Data Sheet

DUROCRETE[®] FIBRILIATED POLYPROPYLENE FIBERS



PRODUCT INFORMATION

Durocrete Fibrillated polypropylene fibers employ a unique technology that creates additional microfibrils attached to the primary fibrillated network. These offer more adhesion points that increase bonding between the mortar matrix and the fiber network. The resulting network increases concrete compressive and tensile strength providing excellent shrinkage and temperature (secondary) reinforcement. Additionally, Durocrete Fibrillated has excellent finishing properties. Durocrete Fibrillated fibers are a cost-effective alternative to light gauge welded wire fabric (WWF). The fibrillated strands prevent 80–100% of all cracks in the plastic state precisely when most cracks occur. Fibrillated complies with ASTM C 1116/C 1116M Section 4.1.3, Type III, Note 2.

TECHNICAL INFORMATION

Material	Polypropylene
Specific Gravity	0.91
Typical dosage	0.9 kg/m3
Available lengths	6mm, 12mm, 21mm
Tensile Strength	660 Mpa
Modulus of Elasticity	4.0 Gpa
Melt point	165°C
Electrical Conductivity	Low
Water absorption	Negligible
Acid and Alkali Resistance ———	Excellent
Fiber count	Approx. 14 million/0.45

DOSAGE

For Concrete: 900 grams / cu. mtr. (minimum) when used as secondary reinforcement. The ratio of fiber and concrete can be determined by tests for special purposes. The fiber has better effects on the concrete with active compound materials, such as silicon ash, coal powder and ground slag.

MIXER

Universal batch mixer or Double-axle horizontal compelling mixer can be used.

STORAGE

Store in a dry area.



APPLICATIONS

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We recommend that gloves and eye protection be used

when handling fiber.





We also provide a savings calculation for industrial floors and other steel-fiber concrete elements, we recommend the suitable fiber type and optimal dosing. You can also find more information at: www.steelfiberindia.in **Head Office**

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