

PRODUCT DATA SHEET

MONOFIBER (PPF)

*Monofilament Form***DESCRIPTION**

MONOFIBER (PPF) is a high-performance monofilament polypropylene fiber which is developed to reduce cracking during the curing of concrete and improve the strength of cohesiveness and surface quality of concrete. It is suitable for hot and tropical climate, also is used in mixtures to increase the strength in bending and tension. PP Fiber is an economical and quality alternative to steel mesh controls the formation of cracks

TECHNICAL DATA

Raw Material	Polypropylene	Crack Elongation	20+/-5%
Fiber Type	monofilament Fiber	Diameter	20µm-30µm
Melting	Point (C Deg.)	160 - 170	Density(g/cm3) 0.91+/-0.01
Acid & Alkali	Strong	Tensile Strength	(MPa) >450min.
Resistance water absorbency	NO	Length:	Times of 4mm or 6mm
Normal length	4mm, 6mm, 8mm, 12mm, 18mm, 24mm, 30mm etc. (times of 4mm or 6mm with 1mm more or less)		

ADVANTAGES

- Reduce shrinkage and cracking concrete
- Replace reinforcing mesh.
- Increase the strength in bending and tension
- Does not rust, disperses uniformly throughout the mix
- Improves concrete freezing-thawing resistance
- Improve impact resistance of concrete, folding resistance, fatigue resistance, seismic performance

APPLICATIONS

Various Types of Concrete, Shotcrete

- Cementitious overlays, stamped concrete, screeds, driveways, render mortars
- Industrial & Warehouse floors
- Patch repair on precast elements
- Water Retaining Structures

APPLICATION INSTRUCTION

A). Dosage: For resist the common cracks on surfaces, recommend dosage is 0.9kg / m³. For increasing reinforcement and seepage resistance, recommend dosage is 1.8kg / m³.

B). Mixing requirement: The proportion of cement, sand and aggregate is no need to be changed. Put cement, aggregate, additive and fiber together, then mix after adding enough water and time for mixing can be prolonged for 2~3 minutes to make the compound mix completely. Also, it can be mixed with cement and other aggregates in advance, rotating by adding water at worksite before construction.

PACKAGING

Normal packing is 0.6kg, 0.9kg or 1.0kg per bag. Also, it can be packed upon request.

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