



THE FIBER DEPOT™

Fibrillated Polypropylene

FACT - DATA©

MANUFACTURER

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GENERAL DESCRIPTION

THE FIBER DEPOT™ Fibrillated Polypropylene is an **easy to finish**, fully oriented, 100% virgin homopolymer polypropylene fibrous reinforcement in a collated fibrillated (network) form, THE FIBER DEPOT™ Fibrillated Polypropylene is used to reduce plastic and hardened concrete shrinkage, improve impact strength, increase fatigue resistance and concrete toughness. This fibrillated polypropylene fiber offers **good-bonding** power, long term durability, and true secondary/temperature control. Non-corrosive, non-magnetic, chemically inert, and **100% Alkali Proof!**

APPLICATIONS

THE FIBER DEPOT™ Fibrillated Polypropylene is mainly used in concrete applications such as slab-on-grade, overlays/toppings, curbs, slope paving, driveways, sidewalks, basement floors, garage floors, architectural/colored concrete, precast, mortar, grout, water tanks, and sewage treatment facilities - anywhere that superior fiber performance is desired and where the objective is to control temperature/shrinkage cracking while improving basic durability properties. **Requires No Mix Design Or Placement Changes!**

INSTALLATION

Recommended dosage rate of THE FIBER DEPOT™ Fibrillated Polypropylene is **1.5 lbs. per cubic yard (0.9 kg. per cubic meter)** of concrete added directly to the concrete mixing system during, or after, the batching of the other ingredients and mixed at the time and speed recommended by the mixer manufacturer.(usually four to five minutes).

PHYSICAL PROPERTIES

Material.....	Virgin Homopolymer Polypropylene	Length.....	3/4" (19mm), 1-1/2" (38mm)
Form.....	Collated Fibrillated Fiber	Color.....	White
Specific Gravity.....	0.91	Acid/Alkali resistance..	Excellent
Tensile Strength.....	90-110 ksi. (620-758 MPa)	Absorption.....	Nil
		Compliance.....	A.S.T.M. C-1116

AVAILABILITY

THE FIBER DEPOT™ Fibrillated Polypropylene can be purchased from THE FIBER DEPOT™ or an authorized THE FIBER DEPOT™ products distributor, dealer or representative. Orders are shipped within 24 hours by small package services, commercial carrier, or air freight.

PACKAGING

	Domestic	International
Bags.....	1.5 lbs.	0.9 kg.
Cartons.....	20 bags	20 bags
Pallets.....	16 cartons/320 bags	12 cartons/240 bags

WARRANTY

THE FIBER DEPOT™ Fibrillated Polypropylene fiber is warranted to be free of defects and to meet all quality control standards set by the manufacturer. THE FIBER DEPOT™ has no control over the design, production, placement, or testing of the concrete products in which THE FIBER DEPOT™ Fibrillated Polypropylene is incorporated, therefore THE FIBER DEPOT™ assumes no responsibility for the end products.

REINFORCEMENT OBJECTIVE:

To inhibit plastic and settlement shrinkage cracking prior to the initial set, and to reduce hardened concrete shrinkage cracking, improve impact strength, and enhance concrete toughness as an alternate secondary/temperature reinforcement.

DIVISION - CONCRETE

SECTION - CONCRETE REINFORCEMENT

SUB - SECTION - SYNTHETIC FIBROUS REINFORCEMENT

Synthetic fibrous reinforcement shall be used in the areas denoted in plans, and shall comply with the following fiber characteristics:

- 1. Configuration - Fiber shall be in fibrillated-network form.**
- 2. Chemistry - Fiber shall be made of 100% virgin materials in the form of fully oriented polypropylene.**
- 3. Contents - Fibers shall be used at a minimum dosage rate of 1.5 lb. per cubic yard of concrete (0.9 kg. per cubic meter of concrete).**
- 4. Correct Length - Fiber Length shall be a minimum of 3/4" (19 mm). Longer 1 1/2" (38 mm) length fibers shall be used if the mix coarse aggregate is 1/2" (13 mm) or larger.**

Compliance: Fibers shall comply with A.S.T.M. C-1116 "Standard Specification for Fiber Reinforced Concrete and Shotcrete". The approved product is THE FIBER DEPOT™ Fibrillated Polypropylene fiber as manufactured by THE FIBER DEPOT™.

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