



MIGHTY-MONO®

FACT-DATA®

MANUFACTURER

FORTA CORPORATION, 100 FORTA Drive, Grove City, PA, U.S.A. 16127-6399
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GENERAL DESCRIPTION

FORTA® MIGHTY-MONO® is an **easy to finish**, fully oriented, 100% virgin homopolymer polypropylene monofilament fibrous reinforcement. This fiber offers long term durability, and **increased impact resistance**. MIGHTY-MONO® is used to reduce plastic and settlement shrinkage. Non-corrosive, non-magnetic, chemically inert, and **100% Alkali Proof!**

APPLICATIONS

MIGHTY-MONO® is primarily used in concrete applications such as slab-on-grade, overlays/toppings, curbs, drive-ways, sidewalks, basement floors, garage floors, colored concrete, and where the objective is to control plastic shrinkage cracking while improving basic durability properties. **Requires No Mix Design Or Placement Changes!**

INSTALLATION

Recommended dosage rate of MIGHTY-MONO® is **1.0 lbs. per cubic yard (0.6 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	Color	White
Form	Monofilament Fiber	Acid/Alkali Resistance	Excellent
Specific Gravity.	0.91	Absorption.	Nil
Tensile Strength	90-110 ksi. (620-758 MPa)	Compliance	A.S.T.M. C-1116
Lengths	3/4" (19mm), 1/2" (13mm)		

AVAILABILITY

FORTA® MIGHTY-MONO® can be purchased from FORTA Corporation or an authorized FORTA® products distributor, dealer or representative. Orders are shipped within 24 hours by small package services, commercial carrier, or air freight.

PACKAGING

	Domestic	International
Bags	1.0 lbs.	0.6 kg.
Cartons	30 bags	30 bags
Pallets	20 cartons/600 bags	20 cartons/600 bags

WARRANTY

FORTA® MIGHTY-MONO® fiber is warranted to be free of defects and to meet all quality control standards set by the manufacturer. FORTA® has no control over the design, production, placement, or testing of the concrete products in which FORTA® MIGHTY-MONO® is incorporated, therefore FORTA Corporation assumes no responsibility for the end products.

FORTA® Specification

MIGHTY-MONO®

FORTA Corporation's technical recommendations regarding synthetic fiber characteristics are based on years of engineering research and scores of concrete projects. FORTA has developed a simple "4-C's" formula to help the specifier choose the right fiber for any concrete project application. By making a decision within each of the FORTA® "4-C's" categories - Configuration, Chemistry, Contents, and Correct Length - specifiers are assured of obtaining the desired fiber performance level for a given project. The following 4-C's Formula Specification has been prepared to accommodate the stated reinforcement objective for this FORTA product grade.

REINFORCEMENT OBJECTIVE: To inhibit concrete cracking caused by plastic and settlement shrinkage that occurs prior to initial set.

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 monofilament 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 1.0 lb. per cubic yard of concrete (0.6 kg. per cubic meter of concrete).**
4. **Correct Length - Fiber Length shall be a minimum of 3/4" (19 mm).**

Compliance: Fibers shall comply with A.S.T.M. C-1116 "Standard Specification for Fiber Reinforced Concrete and Shotcrete" and applicable national building code. The approved product is FORTA® Mighty-Mono® as manufactured by FORTA Corporation, Grove City, PA, U.S.A. Phone: 1-800-245-0306 or 1-724-458-5221; Fax: 1-724-458-8331.

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