

PRODUCT DESCRIPTION

Forta fiber (FOF™) is macro synthetic fiber made of 100% copolymer/polypropylene. FOF™ forta fiber consists of twisted-bundle monofilament and fibrillated fiber which yields a high-performance concrete reinforcement. This heavy-duty macro synthetic fiber offers maximum long-term durability, structural enhancements, and effective temperature/shrinkage crack control. FOF™ forta fiber is non-corrosive and 100% acid and alkali proof.

PRODUCT FEATURES

- Enhance durability
- Reduce plastic shrinkage cracking
- Reduce crack width opening
- Improve flexural toughness and fatigue resistance
- Increase impact and shear resistance
- Increase post-cracking residual strength

PRODUCT USES

FOF™ forta fiber is mainly used in concrete applications such as slabs-on-ground, composite steel decks, overlays, pavements, bridge decks, shotcrete, and precast products – anywhere that steel reinforcement reduction or replacement is the objective

TECHNICAL DATA

Material	Copolymer / Polypropylene
Form	Monofilament / Fibrillated
Density	910 kg/ m ³
Color	Gray
Tensile Strength	570-660 MPa
Length	54 mm 38 mm
Melting Point	160°C
Acid / Alkali Resistance	Excellent

HOW TO USE

- FOF™ forta fiber is typically used at a ratio of 0.2% to 1.0% by volume of concrete depending on application and desired performance.
- FOF™ forta fiber can be added directly into the concrete mixing system. The fiber should be added during or after batching of the other ingredients – never as the first mix ingredient.
- Once all fibers have been added to the batch, mix four to five minutes at standard mixing speed.

HANDLING

Before using this or any AFZIR product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

PACKAGING

Individual Bag Weight: 20kg

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.



Forta Fiber - FOF™

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.