

PRODUCT DATA SHEET

FORTA FERRO

HIGH-PERFORMANCE SYNTHETICS

Forta Ferro is an easy-to-finish, color blended fiber made of 100% virgin copolymer/polypropylene. It consists of a twisted bundle, nonfibrillating monofilament and a fibrillating network fiber, yielding a high-performance concrete reinforcement system. Forta Ferro is used to reduce plastic and hardened concrete shrinkage, improve impact strength, and increase fatigue resistance and concrete toughness. This extra heavy duty fiber offers maximum long-term durability, structural enhancements, and effective secondary/temperature crack control by incorporating a truly unique synergistic fiber system of long length design. Forta Ferro is non-corrosive, non-magnetic, and 100% alkali proof.

TECHNICAL INFORMATION

Length	2.25"	Acid/Alkali Resistance	Excellent
Specific Gravity	0.91	Compliance	ASTM C-1116
Tensile Strength	90-110 ksi.	Materials	Virgin Copolymer/ Polypropylene
Color	Gray	Form	Fibrillated Fiber System
Absorption	Nil		

MIXING-PLACING-FINISHING

MIXING

Because of the degradable packaging, Forta Ferro can easily be introduced into the concrete during or after the batching process. Mixing should conform to ASTM C94 standard specification for ready-mixed concrete, a minimum of 75 mixing revolutions after all fibers are added is required.

PLACING

Forta Ferro can be pumped and placed using conventional equipment. (See Pumping Technical Report.) Surface vibration during screeding is recommended. At higher dosages, the use of a mid-range or high-range water reducer should be considered.

FINISHING

Normal finishing equipment and techniques can be used when finishing Forta Ferro. Finishing operations should begin as outlined in ACI302. Troweling blades should be kept flat for as long as possible to help to ensure a fiber free finish.

GUIDELINES

Forta Ferro is intended for crack containment reinforcement as outlined in ACI 360-10 3.2.2 and should not be used to replace primary reinforcement (structural or load bearing) as outlined in ACI 318. Consult your representative for dosage rates per your application. Forta Ferro should not be used to decrease the thickness of the concrete or increase the control joint spacing beyond the recommendations of the ACI or PCA standard guidelines. Follow ACI guidelines as to joint locations and details. Please consult your representative or engineering department for more details or designs using Forta Ferro fibers.

WARRANTY AND LIMITATION OF LIABILITY

Forta Ferro fibers are of merchantable quality to seller's standards and specifications. Seller's sole liability for claim shall be limited to replacement of defective or nonconforming product. In no event shall seller be liable for any special, incidental, consequential, or exemplary damages.

OFFERED BY FRC



ADVANTAGES:

- Excellent Crack Control
- Effective Alternate to Welded Wire Fibers & Rebar Grids
- Safer than WWF/Rebar
- Uniform Reinforcement
- Always Positioned Correctly
- Requires No Minimum Cover
- Cost Effective
- Saves Time and Hassle



**FIBER REINFORCING
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REINFORCING QUALITY

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