



F - MICRO

LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

PRODUCT FEATURES

- Enhances durability, fatigue and flexural performance
- Provides secondary reinforcement equal in strength to WWF
- Alkali resistant & non-corrosive
- Three dimensional reinforcement to prohibit cracking
- Reduce in place cost
- High impact & wear resistance
- Easily added to the concrete

APPLICATIONS

- Slab-on-grade
- Precast concrete (thin wall application such as septic tank & burial vaults)
- Shot-crete (tunnel linings, slope stabilization, & pool construction)
- UTW (Ultra-thin White Toppings)
- Paving & elevated deck concrete applications
- Other specialty applications

BENEFITS

F-Micro fiber added to concrete mechanically locks in the fresh concrete matrix, controlling cracking. F-Micro provides secondary reinforcement for WWF replacement which eliminates crack formation that causes permanent weakening of the concrete. With F-Micro, concrete is more durable, fatigue resistant, adds flexural toughness and is highly impact resistant and improves your Bottom Line.

MIXING

Follow ASTM C-94 guidelines. F-Micro can be added directly to the mix at the jobsite or during batching of ingredients, but not as the first ingredient and should be mixed for a minimum of 5 minutes at full mixing speed.

PACKAGING

16 bags/ carton
36 cartons/ pallet

DOSAGE RATES

F-Micro is typically introduced at 1.5 lbs. per cubic yard. The fiber is packaged in pre-measured degradable bags that can be added directly to the concrete mix. For dosage rates outside the typical range, please consult your ICF representative. F-Micro fibers comply with ASTM C 1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete.

FINISHING

F-Micro can be placed by using several methods such as by chute, pumping or shotcrete and can be finished with a hand trowel, power trowel, laser screed or broom finished. A slight slump loss will occur with a 3-5 lb. dosage and larger doses will give a greater slump loss. (See recommendations)

PHYSICAL PROPERTIES

Material	Polypropylene/ Polyethylene
Specific gravity (g/m ³)	0.91
Tensile Strength	70 ksi
UV Resistance	Excellent
Absorption	Nil
Acid & Alkali Resistance	Excellent
Type	Fibrillated
Dispersity Rate	Excellent
Fiber Length inches (mm)	.75" (19mm)
Electrical Conductivity	Low
Melting Point	320° F (160°C)
Ignition Point	1100° F (590°C)

QUESTIONS? CONTACT US!

ICF Concrete Additives, LLC
150 Mt. Bethel Rd, Building 2
Warren, NJ 07059
Tel 908-293-8280
Fax 201-482-8037
www.icfconcreteadditives.com

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