



F50

High Performance Synthetics

Product Features

PRODUCT DESCRIPTION

F-50 Blended macro/micro fibers system incorporates the second generation of macro fibers. They are made of a high performance, rigid 1.65" polyolefin fibers blended with 100% virgin polypropylene micro fibers. These fibers are engineered and manufactured to comply with the ASTM C 1116/C 1116M, Type III fiber reinforced concrete. The high modulus, high strength fibers are distributed throughout the concrete to provide excellent crack control and provide toughness. These fibers are packaged in pre-measured water soluble bags that offer owners, engineers, and contractors a highly effective alternative to welded wire fabric or rebar applications for slab on grade.

GUIDELINES

BARDPRO Fibers are 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). F-50 should not be used to decrease the thickness of the concrete or increase the control joint spacing beyond the recommendations of ACI or PCA standard guidelines. We recommend following ACI guidelines as to control joint locations and details. The standard dosage rate for F-50 is 5 pounds per cubic yard of concrete. Please consult BARD Materials for dosage rates for your application, design information, or more information on using BARDPRO Blended Fibers.

APPLICATIONS

BARDPRO Blended Fibers may be used in any market segment that requires increased crack control, improved impact, shatter and abrasion resistance, and improved durability. F-50 Blended Fibers are extremely easy to finish and are ideal for the following applications.

- Slabs on Ground
- Exterior Paving
- Concrete Overlays and Toppings
- Industrial Floors
- Commercial Floors
- Warehouse Floors
- Sidewalk and Driveways
- Parking Areas
- Non – magnetic applications



ADVANTAGES

- Excellent Crack Control
- Saves Time and Hassle
- Uniform Reinforcement
- Pumpable Reinforcement
- Safe and Easier than Welded Wire Fabric or Rebar
- Cost Effective
- Requires No Minimum Cover
- Unique Finishing Characteristics

TECHNICAL INFORMATION

BARDPRO F-50 Macro Fibers

Fiber length	1.65 inch (42mm)
Absorption	Nil
Specific Gravity	0.91
Melt Point	324 degrees F
Electrical Conductivity	Low

Polypropylene Micro Fibers

Fiber Length	1/2 inch (12mm)
Absorption	Nil
Specific Gravity	0.91
Melt Point	324 degrees F
Electrical Conductivity	Low

WARRANTY and LIMITATION of LIABILITY

This publication should not be construed as engineering advice. While the information is accurate to the best of our knowledge, BARD Materials does not warranty its accuracy or completeness. Product sold herein is of merchantable quality to seller's standards and specifications. Seller's warranty is limited to manufacturer's product warranty and the recommended application and fitness for a particular purpose. In no event shall BARD Materials be liable for any special, incidental, consequential, or exemplary damages.

