

FRC HPS 950 BLEND

HIGH-PERFORMANCE SYNTHETICS

The FRC 950 Blended Macro/Micro fiber system incorporates the second generation of macro fibers. They are made of high-performance, rigid polyolefin fiber blended with our 100% virgin polypropylene micro fibers. These fibers are engineered and manufactured to comply with ASTM C1116-C Type III. The high modulus, high strength fibers are distributed throughout the concrete to provide excellent crack control and add toughness. These fibers are packaged in a premeasured, degradable bag that offers owners, engineers, and contractors an easy way to provide a highly effective alternative to welded wire fabric or rebar applications for slabs on grade.

TECHNICAL INFORMATION

Macro Fibers

Fiber Length	1.5"
Denier	4500
Specific Gravity	.91
Tensile Strength	75 ksi
Material Type	100% Virgin Co-Polymer

Micro Fibers

Fiber Length	1/2" & 3/4"
Denier	10-15
Specific Gravity	.91
Tensile Strength	40-60 ksi
Material Type	100% Virgin Polypropylene



MIXING-PLACING-FINISHING

MIXING

Because of the degradable packaging, HPS 950 Blend can easily be introduced into the concrete during or after the batching process. In most instances HPS 950 should be added after the concrete is batched. Mixing should conform to ASTM C94 standard specification for ready-mixed concrete, 75 mixing revolutions after all fibers are added.

PLACING

HPS 950 can be pumped and placed using conventional equipment. 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 HPS 950. Finishing operations should begin as outlined in ACI 302. Troweling blades should be kept flat for as long as possible to help minimize any fibers at the surface.

GUIDELINES

HPS 950 Blend 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. HPS 950 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 HPS 950 Blended fibers.

WARRANTY AND LIMITATION OF LIABILITY

Products sold herein is 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.

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



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