

Asphalt Fiber



**Innovative
Concrete
Fiber**



FEATURES

- Enhances performance & durability
- Provides reinforcement
- No modifications needed to asphalt mixture
- Alkali resistant & non-corrosive
- Insoluble in water
- No fiber protrusion
- High impact resistance
- Excellent bond

BENEFITS

Asphalt fiber added to asphalt mechanically locks in the fresh asphalt matrix, allowing the use of 30% less asphalt thickness and up to 50% longer life span. With Asphalt Fiber, asphalt is stronger and lasts longer, is highly impact resistant and improves your Bottom Line. Asphalt Fiber has a high heat resistance and can be used in temperatures up to 625°F without melting.

APPLICATIONS

ICF's Asphalt Fiber characteristics lend itself to a variety of asphalt applications including: HMA (Hot Mix Asphalt), WMA (Warm Mix Asphalt) and PAT (Hot or Cold Patch) applications.

DOSAGE RATES

For general applications a standard dosage of (1) bag per ton of asphalt is recommended.

MIXING

Asphalt fiber mixes thoroughly in seconds and distributes throughout asphalt uniformly and completely. Mix in batch and drum plants at all production speeds.

PACKAGING

1 Carton/30 Bags; 36 Cartons/Pallet; 11 Pallets/20 ft. Container. Bales are available upon request.

FINISHING

There is NO surface protrusion when using Asphalt Fiber. With Asphalt Fiber there are no modifications needed to placement practices. With Asphalt Fiber there are no modifications needed to compaction practices. With Asphalt there are no modifications needed to testing practices.

PHYSICAL PROPERTIES

Material	Modified Acrylic
Specific Gravity (g/m ³)	1.17
Elastic Modulus (GPa)	>5.5
Tenacity (MPa)	>500
Decomposition Temperature	330° C/ 626° F (AC50 does not melt)
Acid & Alkali Resistance	Excellent
Color	White
Dispersity Rate	Excellent
Filament Diameter (μ)	12-15
Fiber Count (fiber/kg) approx.	680,000,000
Fiber Length inch(mm)	1/4" (6mm) (other lengths available)

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Stronger, Longer-Lasting Performance

Realize immediate cost savings due to reduced thickness of asphalt needed to meet the design requirements and savings by extending the life expediency of the asphalt

Cost Savings - better performance using a smaller cross-section of asphalt

Extended Life Cycle – reduces cracking and rutting

3 Dimensional Reinforcement – provides 3D

reinforcement throughout all the asphalt layers

Material Properties – improves tensile strength, resilient modulus, Marshall Stability and Flow and others

Asphalt Fiber

Stronger, Longer-Lasting Performance



Asphalt Fiber vs. Control

	Asphalt	Asphalt	Control
<u>Test</u>	<u>w/less thickness</u>	<u>w/standard thickness</u>	<u>w/standard thickness</u>
Strength	Equal or Greater	Greater	Equal
Service Life	Equal or Greater	Greater	Equal
Fatigue Life	Equal or Greater	Greater	Equal
Rutting Resistance	Equal or Greater	Greater	Equal
Shoving Resistance	Equal or Greater	Greater	Equal
Crack Resistance	Equal or Greater	Greater	Equal
Erosion Resistance	Equal or Greater	Greater	Equal

Conclusion: Based on the test results, AC Asphalt fiber, used at a dosage rate of 1 bag per ton exceeded the test parameters required by MEPGD.

All information, recommendations and advice provided by ICF Concrete regarding fiber products and their use and application is based on ICF Concrete's experience with such products when properly stored, handled and applied under normal conditions.

ICF Concrete reserve the right to change the properties of fiber products without prior notice.

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