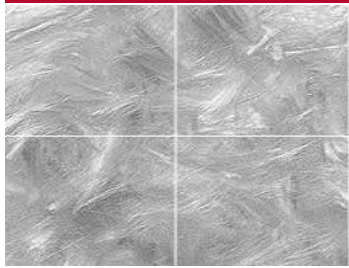


PE200



**Innovative
Concrete
Fiber**



FEATURES

- Enhances performance & durability
- Helps with secondary reinforcement Eliminates plastic shrinkage cracking over 60%
- Alkali resistant & non-corrosive
- Insoluble in water
- No fiber protrusion for easy finishing
- High impact resistance
- Economical

BENEFITS

PE200 staple fiber is an economical solution to crack formation. When added to concrete it mechanically locks in the fresh concrete matrix, controlling plastic shrinkage. PE200 helps with secondary reinforcement which helps eliminate crack formation that causes permanent weakening of the resultant concrete. With PE200, concrete is less permeable, has a smooth surface, is impact resistant and improves your Bottom Line.

APPLICATIONS

ICF's PE200's characteristics lend itself to a variety of concrete applications including: slab-on-grade, precast concrete, shotcrete, stucco, decorative and other specialty concrete applications.

DOSAGE RATES

For general applications such as slab-on-grade, a standard dosage of (1) bag/yd³ is recommended. Other fibers require higher dosage rates to achieve similar performance. For other applications, consult with your ICF representative for recommended dosages.

MIXING

Follow ASTM C-94 guidelines. PE200 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

25Bags/Cartron; 36Cartons/Pallet; Truckloads available. Gaylords are available upon request.

FINISHING

There is NO surface protrusion when using PE200. PE200 can be pumped or placed using conventional equipment and PE200 can be used with all finishing techniques including power and hand troweling, broom finished and colored concrete.

PHYSICAL PROPERTIES

Material	Polyethylene
Specific Gravity (g/cm ³)	0.92
Elastic Modulus (GPa)	>12
Tenacity (MPa)	>1,400
Melting Temperature	135° C/ 274° F
Acid & Alkali Resistance	Excellent
Color	White
Dispersity Rate	Excellent
Filament Diameter (μ)	28-32
Fiber Count (fiber/lb) approx.	115,000,000

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TESTING

Introduction: This document presents the summary of the laboratory testing performed by an Independent Third Party DOT Certified Lab on samples of concrete containing PE200 fiber at an application rate of 0.5 lb./cy. The scope of the testing was as follows:

Perform laboratory batching of concrete with and without fibers according to Section 4.0 of ICC-ES Acceptance Criteria for Concrete with Synthetic Fibers (AC32-2002) for:

A. Plastic Shrinkage Cracking Annex A (ICC-ES AC32, Annex A)



Summary of Test Results:

The following is a summary of the tests results:

<u>Test</u>	<u>Control</u>	<u>Test-Fibers</u>	<u>% of Control</u>
Plastic Shrinkage Cracking	<u>Crack Area</u> 0.54125	<u>Crack Area</u> 0.2	63.05%

(1) 40% difference from the control sample to test sample is the minimum ICC-ES AC32 requirement for reduction of plastic shrinkage.

Conclusion:

Based on the test results, PE200 fiber, used at a dosage rate of 0.5 lb./yd³ exceeded the test parameters required by ICC-ES AC32. Higher dosage will result in higher crack control.

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 reserves the right to change the properties of fiber products without prior notice.

No offer or solicitation of sale or purchase is made under or with this information sheet