

UltraFiber **500** Reference Documents

ICC-ESR-1032 Meets or exceed the International Code Council (ICC) criteria for use in concrete and meets International Building Code and Residential Building code through the 2015 versions.

UL Classified – For plastic shrinkage, fire resistance ratings and crack control

- **Crack control use in floor-ceiling Design Nos. D216, D973, G229 and G561**
- **Use as an alternate or in addition to the welded wire fabric used in floor-ceiling D700, D800 and D900 series designs**

Performance (verified by independent Testing):

- **ICC-ES AC217 Annex A, Plastic Shrinkage Cracking**
- **ICC-ES AC217 Annex B, Impact resistance**
- **ASTM C1116, Standard Specification for Fiber reinforced Concrete**
- **ASTM D7357, Standard Specification for Cellulose Fibers for Concrete**
- **ASTM C39, Compressive Strength**
- **ASTM C78, Flexural strength**
- **ASTM C666(A), Freeze Thaw Resistance**
- **ASTM D6942, Alkali Stability**
- **ASTM 234 Standard Test Method for Comparing Concretes on the Basis of the Bond Developed with Reinforcing Steel**
- **ASTM C856, Petrographic Examination of hardened Concrete**
- **ASTM 1399 Average Residual Strength**
- **ANSI/UL 263, Fire Resistance**

American Concrete Institute Recognizes Natural Cellulose Fibers for Concrete:

- **ACI 302-15 Concrete Guide for Concrete Floor and Slab Construction**
- **ACI 360R-10 Guide for Design of Slabs on Ground**
- **ACI 318-14 Building Code for Structural Concrete**
- **ACI 544 Guide for Specifying, Proportioning, and Production of Fiber-Reinforced Concrete**
- **ACI 506 Guide to Fiber Reinforced Shotcrete**

