



TUF-STRAND SF

Successful Applications of Structural Synthetic Fibers



MANUFACTURED CONCRETE PRODUCTS



Durham & Taylor - Cumming, GA



Hicks Industries - Mulberry, FL



Spoerr Pre-Cast - Sandusky, OH

*No More Meshing Around ...
Leading pre-casters across the United States and Canada are saving cost of labor, time and materials, and improving product quality with TUF-STRAND SF.*

ARCHITECTURAL CONCRETE PRODUCTS



Urban Stonehenge - Newmarket, ON



Two Oaks Studios Baseballs - Greensboro, NC

TUF-STRAND SF, which provides non-corroding, three-dimensional reinforcement, is innovating architectural concrete across a range of applications from artistic sculptures to decorative pre-cast stone fence.



INDUSTRIAL AND WAREHOUSE FLOORS

Providing the strength equivalence to conventional reinforcement, safely and with much less cost, TUF-STRAND SF is ideally suited for mass placement and laser screed applications.



The reinforcing is in the mix.



PAVEMENTS AND OVERLAYS



Offering an extremely cost effective alternative to steel fibers, TUF-STRAND SF provides design flexibility and increased speed of construction.

SLAB ON GROUND DESIGN SOFTWARE

The Euclid Chemical Company can assist in your slab on ground design requirements with our state-of-the-art design software, that uses principles incorporated in ACI 360, Design of Slabs on Ground. Contact your local Euclid Chemical Sales Representative today.





ICF AND SCC DESIGNS



Not all fibers perform the same...demand a performance based solution...TUF-STRAND SF.



SWIMMING POOLS AND SHOTCRETE FOR UNDERGROUND

TUF-STRAND SF is engineered to self-fibrillate at both ends, a design innovation that makes it two fibers designed into one.



Swimming Pool - Phoenix, AZ



TUF-STRAND SF FEATURES AND BENEFITS

TUF-STRAND SF is a patented synthetic macro-fiber specifically engineered for use as a potential replacement for conventional reinforcement, such as welded wire fabric and rebar, and steel fibers in applications for slabs on grade, pre-cast concrete and shotcrete. Recommended dosages are based on strength-to-strength calculations and supported by standardized testing. The exceptional bond strength of TUF-STRAND SF with concrete is the result of its unique ability to partially fibrillate upon mixing. During mixing in concrete, each filament is transformed into a fiber with fibrils at each end that act as anchors, providing enhanced structural properties to concrete.



Non-corroding three-dimensional reinforcement

Provides increased abrasion, fatigue and impact resistance

Provides flexural toughness and post-crack performance similar to steel fibers

Self-fibrillating action of fiber helps mitigate plastic shrinkage cracking

Excellent dispersion in concrete due to unique fiber design

Potential time and cost savings when compared to conventional reinforcement

Reduces "wear and tear" on pump lines and equipment when compared to steel fibers



TUF-STRAND SF

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An **RPM** Company



The Euclid Chemical Company, founded in 1910, is today a worldwide supplier of quality products and services for the concrete and masonry industry. Marketed under the EUCCO name, we offer a full line of admixtures, repair and maintenance products based on the latest technologies. We provide complete specification assistance and laboratory support as well as on-site service for guidance on proper product usage. EUCCO materials are warehoused in over 200 locations in the USA and are available world-wide through international affiliates.

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