



TUF-STRAND™ MACRO-SYNTHETIC FIBERS

FIBER-REINFORCED CONCRETE FOR INSULATED CONCRETE FORM APPLICATIONS



ENGINEERING SERVICES

- Nationwide Technical Support
- On-site Field Consultation
- Professional Engineers on Staff
- Available R&D Laboratories
- Carbon Footprint Analysis
- Specification Development
- DOT Certifications
- ICC-ES Accreditation
 - ESR-4072
- Software and Design Assistance
- ACI 544
- Tested to ASTM C1609, 1550

OTHER APPLICATIONS

- Pavements
- Slabs on Ground
- Retaining Walls
- Structural Rehabilitation
- Pools and Tanks
- Underground Precast Products

FEATURES AND BENEFITS

Fiber-Reinforced Concrete (FRC) using **TUF-STRAND™ SF** by Euclid Chemical offers a cost-effective and sustainable solution for reinforcing insulated concrete form (ICF) wall systems. Partnered with Nudura®, a part of Tremco Construction Products Group, FRC in ICF can reduce the expense and installation time of conventional reinforcing while providing a concrete that is easily placed with a reduction of the environmental impact on the jobsite.

TUF-STRAND SF is a patented, macro-synthetic fiber specifically engineered to replace conventional reinforcing, such as rebar and wire mesh for wall applications, white toppings, bridge decks, pavements, slabs on ground, precast concrete, composite steel decks and shotcrete applications. Engineered dosage rates are based on strength-to-strength calculations and supported by standardized test methods and industry practices. This non-corroding, three-dimensional reinforcement can also be pumped with ease while increasing concrete service life through improved toughness and durability.

FIBER-REINFORCED CONCRETE FOR ICF

Reduce Rebar, Increase Speed, Improve Safety

With Nudura® ICF systems and concrete reinforcement using TUF-STRAND SF, wall construction and inspection time can be reduced while providing a more durable and longer-lasting concrete with reduced environmental impact.

Concrete Mix Design and Fiber Resources

Euclid Chemical can provide experienced assistance to develop mix designs along with technical and marketing materials for the education and training of owners, engineers, contractors and ready-mix producers.

Engineered Calculations and Specification Development

Euclid Chemical's design aids and mobile tools help to determine correct dosage rates with specification review for correct fiber selection and performance in concrete. Nudura can also provide technical resources on the benefits of ICF including thermal properties, energy savings and installation procedures.

For more information on Nudura® ICF systems, visit www.nudura.com

