



Propex™

Fibermesh®

FIBERMESH® 150

FIBERMESH® 150 SYNTHETIC FIBER:

Expressly formulated to address early age cracking problems, Fibermesh micro-synthetic fibers prevent 80 -100% of all cracks in the plastic state - precisely when most cracks occur. During the plastic settlement phase, the fibers create a three-dimensional support network that resists the downward pull of gravity, thus keeping aggregates in suspension and promoting uniform bleeding. This network increases the tensile strain capacity of concrete during the plastic shrinkage phase as well.

PRIMARY APPLICATIONS:

Applicable to all types of concrete which demonstrate a need for resistance to intrinsic cracking and improved water tightness and an aesthetic finish.

- Residential & Light Commercial
- Overlays / toppings
- Slab on Grade
- Driveways / sidewalks / curbs
- Precast
- Stucco

REDUCES CRACKING IN CONCRETE FROM:

- Plastic shrinkage & settlement
- Impact & shattering
- Fire Spalling

BENEFITS:

- Safe & easy to handle
- Mixable reinforcement
- Durable & economical
- Non-Corrosive
- Provides perfect placement of reinforcement

SPECIFY FIBERMESH® 150:

- Reduced plastic shrinkage cracking
- Improved impact, shatter and abrasion resistance
- Reduced water migration and damage from freeze/thaw
- Improved durability
- Areas requiring nonmetallic materials



FIBERMESH® 150 MITIGATES EARLY AGE CRACKS:

Fibermesh 150 is ideal for use in concrete that has light duty reinforcement or no reinforcement at all. Fibermesh 150 mitigates early age cracking that all concrete experiences as it cures. Fibermesh 150 requires no installation, no prep work, and no additional finishing time and is always perfectly placed within the mix. Propex prides itself on backing up our claims with performance data.

Our Fibermesh 150 has been tested per ASTM C 1579 “Standard Test Method for Evaluating Plastic Shrinkage Cracking of Restrained Fiber Reinforced Concrete (Using a Steel Form Insert)”. In this test, plain concrete samples are tested alongside concrete samples reinforced with micro fibers. Early age cracking is identified, quantified and compared in each sample.

A crack reduction ratio (CRR 43) is then determined that describes the micro fiber’s ability to mitigate early age cracking as compared to a plain concrete sample. Based on Propex’s latest results, Fibermesh 150 has a CRR of 40. Concrete with Fibermesh 150 will mitigate 43% MORE early age cracks than plain concrete. Considering that many long term cracking stems from these smaller early age cracking, that translates into real performance for the life of the concrete floor.

DOSAGE:

Propex recommends dosing the concrete with 0.6 to 0.9 kg/m³ of Fibermesh 150.

FIBERMESH® 150 REDUCES MATERIAL HANDLING:

6 pallets of Fibermesh® 150 does the work of
one truckload of welded wire fabric.

6 PALLETS OF FIBERMESH® 150



ONE TRUCKLOAD OF WELDED WIRE FABRIC

