

# STAMPCRETE FIBER TYPE MONOFILAMENT FIBER

## TECHNICAL DATA

### DESCRIPTION

**Basic Use:** Fiber Type II is a virgin polyester fiber designed specifically to provide concrete with protection against early age crack formation. When added to concrete during mixing, the fibers disperse uniformly and produce a three dimensional network of micro-reinforcement.

Every fiber helps to prevent the tiny fissures that can occur when concrete's tensile strength is weakest. By reducing early age crack formation, the number of weakened planes and the potential for future crack formation may also be reduced.

Fiber Type II is routinely used to enhance the performance of industrial and commercial floors, pavements, overlays, elevated slabs, residential concrete, precast concrete, barrier walls, tunnel and culvert linings, water reservoir linings, bridge deck overlays and various concrete repair systems. Almost any concrete product can benefit from Fiber Type II.

### TECHNICAL DATA

**Chemical:** Fiber Type II is a polyester (PET) co-polymer fiber manufactures to meet precise engineering standards. Fiber Type II is chemically resistant and non-toxic. Fiber Type II should not react with chemical admixtures or calcium chloride. Fiber Type II will not rust, rot, or corrode.

### Physical Properties:

Specific Gravity	1.34
Tensile Strength	130 to 160 ksi
Youngs Modulus	2500 ksi
Melting Point, deg F	490 to 500
Ductility Range, deg F	-100 to 440
Ignition Point, deg F	1100
Thermal Conductivity	Low
Electrical Conductivity	Low
Chemical Resistance	High
Standard Length	$\frac{3}{4}$ "
Standard Dosage	600 g/m3 1 Bag / 1 Yard

### INSTALLATION

#### Addition/Mixing Procedures:

Fiber Type II is very easy to add: One pre-weighed bag per cubic meter of concrete. It may be added with the coarse and fine aggregate at the batch plant, with the other ingredients, no additional mixing time is required. If added at the job site, approximately 13 to 15 minutes of mixing is required with the drum rotating at mixing speed. Over mixing should not alter its performance.

### ABILITY AND COST

**Availability:** Fiber Type II can be purchased internationally. Orders are shipped UPS, common carrier, contract carrier or air freight.

**Cost:** General estimating should be based on \$.05 per square foot per inch of concrete thickness. Price may vary based on volume and location.

### MAINTENANCE

*Not Applicable.*

### WARRANTY

Stampcrete International, Ltd. warrants that this product will be free from defects and will perform as represented in writing provided application of product is in accordance with manufacturer's recommendations and application instruction. Stampcrete International, Ltd. will refund the purchase price of any product proven defective, but shall in no way be liable for indirect, consequential, special or resultant damages, whether due to breach of warranty or negligence. Stampcrete International, Ltd. makes no guarantee or warranty, express or implied, including, without limitation, warranties of fitness or merchantability, with respect to this product.

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