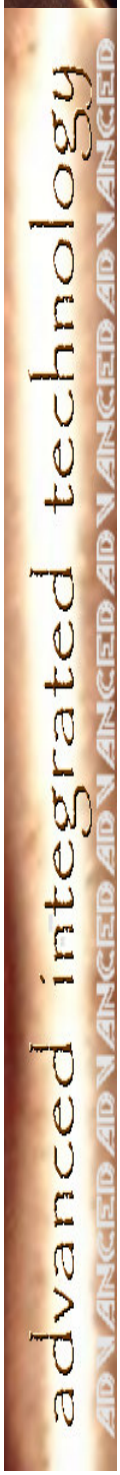
CORNERSTONE COATINGS
Advanced Clear Coat Technology

Toll Free: 1.866.878.7069
Fax: 306.369.2656
Email: info@cornerstonecoatings.com
Website: www.cornerstonecoatings.com



Fiber-Link Nylon Fibre

- Inhibits plastic shrinkage cracking.
- Inhibits plastic settlements.
- Provides 3 dimensional rather than single plane secondary reinforcement.
- Provides unobstructed access to sub-base.
- Provides secondary reinforcement that is always positioned in compliance with building codes.
- Saves time and money be eliminating the purchase, storage, handling, cutting, and placing of wire mesh.
- Pumps easily.
- Finishes like regular concrete.
- Compatible with all other admixtures and surface treatments.
- Comes in pre-measured mixer disintegrating bags.
- May be added at job site.

Fiber-Link Nylon Fiber is specifically designed and manufactured for internal reinforcement in patterned concrete. Stamped concrete must perform like regular concrete while exhibiting a delicate appearance of fine detail and texture. Fiber- Link seems to disappear, but they stand as silent sentinels protecting and reinforcing even the finest surface detail.

Fiber-Link added to concrete is a secondary reinforcement that offers a superior alternative to wire mesh. Fiber-Link provides protection against plastic shrinkage cracking in fresh concrete by entraining millions of evenly distributed independent fibers that block the creation and growth of micro cracks that can develop into macro cracks. When regular concrete is poured all the aggregate, fines and cement begin to settle downward because of gravity. As the solids continue downward, water is displaced and forced to the surface in the form of bleedwater. Plastic shrinkage cracking occurs when the rate of evaporation exceeds the rate of replacement. This early volume change accounts for the majority of all non-structural cracks in concrete. Additionally uncontrolled settling can cause plastic settlement cavitation below embedded rebar, thus reducing the surface area in contact with the matrix. Rapid settlement can also cause an excessive amount of water on concrete surfaces that can produce an unfavorable water/cement ratio. This condition can lead to spalling, dusting and other surface problems. When Fiber-Link is added to a mix, the process of material settlement is altered. Millions of evenly dispersed fibers produce an internal support system that prevents or slows solids from sinking. This results in slower, more uniform bleeding and a reduction in concentrated internal tensile stresses that lead to plastic shrinkage cracking during early volume change. The stress-induced micro cracks that do start are bridged and intersected by Fiber-Link, and crack propagation is stopped. Fiber-Link greatly reduce plastic shrinkage cracking and allows concrete to reach its designed strength and integrity without the use of welded wire fabric. Fiber-Link Fibers are made of 100% pure Nylon. Fiber-Link Fibers meet ASTM C-1116-89 “Specifications for Fiber reinforced concrete and Shotcrete” classification 4.1.3 Type III

PHYSICAL PROPERTIES

Use	1 Bag/Yard Concrete
Material	100% Virgin Nylon
Tensile Strength	130-140 Ksi
Modulus (Young’s)	750 Ksi
Melt Point	435F (225C)
Chemical Resistance	Good
Alkali Resistance	Excellent
Acids & Salt Resistance	Good
Ultraviolet Resistance	Excellent
Electrical Conductivity	Low
Thermal Conductivity	Low
Absorption	4-5%
Specific Gravity	1.16
Denier	6
Fiber Length	¾”
Form	Monofilament Fiber
Color	White