



# #32-504 Nylon Concrete Fibers

## **DESCRIPTION**

BON NYLON CONCRETE FIBERS are easy to finish, fully oriented, 100% virgin nylon fibrous multifilament designed to function as a plastic shrinkage reinforcement intended to reduce the formation of shrinkage cracks prior to initial set and to reduce settlement shrinkage. Non-corrosive, chemically inert, and resistant to alkali attack.

## **APPLICATIONS**

BON NYLON CONCRETE FIBERS are primarily used with cast-in-place concrete applications such as slab-on-grade, overlays/top-pings, curbs, driveways, sidewalks, basement floors, garage floors, and colored concrete, where the objective is to control plastic shrinkage cracking. Requires No Mix Design Or Placement Changes!

## **INSTALLATION**

Recommended dosage rate of BON NYLON CONCRETE FIBERS are 1.0 lbs. per cubic yard (0.6 kg. per cubic meter) of concrete added directly to the concrete mixing system during, or after, the batching of the other ingredients and mixed at the time and speed recommended by the mixer manufacturer - usually four to five minutes at mixing speed.

## **PHYSICAL PROPERTIES**

Material .....	Virgin Nylon
Length .....	3/4" (19mm)
Form .....	Multifilament
Color .....	White
Specific Gravity .....	1.14
Acid/Alkali resistance .....	Good
Tensile Strength .....	140 ksi (966 MPa)
Compliance .....	A.S.T.M. C-1116

## **PACKAGING**

Bags ..... 1 lb. degradable bag (.06 kg)

## **REINFORCEMENT OBJECTIVE**

To inhibit concrete cracking caused by plastic and settlement shrinkage that occurs prior to initial set.

DIVISION - CONCRETE

SECTION - CONCRETE REINFORCEMENT

SUB - SECTION - SYNTHETIC FIBROUS REINFORCEMENT

Synthetic fibrous reinforcement shall be used in the areas denoted in plans, and shall comply with the following fiber characteristics:

1. Configuration - Fiber shall be in monofilament form.
2. Chemistry - Fiber shall be made of 100% virgin materials in the form of fully oriented nylon.
3. Contents - Fibers shall be used at a minimum dosage rate of 1.0 lb. per cubic yard of concrete (0.6 kg. per cubic meter of concrete).
4. Correct Length - Fiber Length shall be a minimum of 3/4" (19 mm).

*Compliance: Fibers shall comply with A.S.T.M. C1116 "Standard Specification for Fiber Reinforced Concrete and Shotcrete".*



**3/4" Nylon Concrete Fibers**

