

NPC – Bidco Concrete Reinforcement Fiber

Data Sheet & Installation Instructions

NPC - Bidco Concrete Reinforcement Fiber is used in cast-in-place concrete applications such as slabs-on-grade to control plastic shrinkage cracking and reduce settlement shrinkage. It can also be used in various small precast concrete products as well as in stucco and mortar applications.

The NPC – Bidco Fiber group is committed to providing the absolute best in customer service and quality in concrete reinforcement fiber. Our 100% virgin materials are carefully selected to provide consistently superior results with 100% virgin polypropylene Fibrillated and Monofilament fibers.

Our fibers are also coated with a special low foam finish that prevents balling and promotes dispersion of the fibers in the concrete. This finish minimizes the unwanted air-entrapment that often accompanies the use of inferior fibers originally designed for other purposes.

Benefits of Fiber Reinforced Concrete:

- Controlled plastic shrinkage
- Saves the labor costs associated with wire mesh in ready-mix applications and precast
- Minimized crack growth
- Reduced permeability
- Improved surface durability
- Uniform reinforcement in all directions



Varieties of Fiber:

Fibrillated: Most effective for minimizing cracking throughout the life of the concrete. Fibrillated fibers are proven to deliver maximum post-peak flexural strength. This type of fiber also delivers superior impact, abrasion and shatter resistance while decreasing permeability.

Monofilament: This fiber provides effective crack resistance coupled with a smooth finish.

Nylon: Has less static and is easier to work with – perfect for use in ornamental concrete.

How to use Fiber Reinforcement:

Using our product in your concrete is easy. Simply toss the premeasured bags into the concrete mixture – one bag per cubic yard of concrete – and allow 3 to 5 minutes for mixing. Additional water is not required even though the concrete may appear stiffer. If a super-plasticizer is to be used, add and mix the fiber first.

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