

NYTECH[®]

PPF[®] fibrillated

Performance Concrete Fibers

Nytech[®] PPF fibers provide a good bond with the mortar matrix resulting in the reduction of early plastic shrinkage cracking. **Nytech[®] PPF** also provides multi-dimensional secondary reinforcement that cannot be achieved with WWF.

Nytech[®] PPF fibers improve long term durability as well as quantifiable engineering properties. **Nytech[®] PPF** fibers will always be positioned correctly with millions of fibers dispersed evenly throughout the concrete.

Nytech[®] PPF fibers conform to ASTM C 1116, ICC-ES AC32, and numerous Federal, State and Local Codes.

Benefits:

- **PPF** Fibers provide 3-Dimensional reinforcement
- Provides plastic shrinkage crack reduction
- Provides secondary/temperature - shrinkage crack reduction
- Significant time and labor cost savings over WWF
- Improves overall durability of the concrete
- Easier to pump without equipment clogs
- Increased fatigue strength and Impact resistance versus WWF
- Reduces Permeability

Applications:

- Commercial, Industrial, Warehouse and Residential Slabs-on-ground
- Ultra Thin Whitetopping
- Shotcrete
- Precast Concrete
- Composite Elevated Decks

General Specification:

Nytech[®] PPF is a fibrillated polypropylene fiber that meets the requirements of ASTM C - 1116, Section 4.1.3 and Note 3. Additionally **Nytech[®] PPF** meets ICC ES AC32 Section 3.1.1 (Plastic Shrinkage Reinforcement) and Section 3.1.2 (Secondary/Temperature – Shrinkage Reinforcement). The standard dosage rate to meet this specification is 1.5 lbs / cy (0.9 kg / m³). **Nytech[®] PPF** is marketed by NMW, Inc., 6553 West 400 North, Greenfield, IN 46140. Phone: (800)253-4237, Fax: (317)891-1019.

Installation:

Nytech® PPF fibers are packaged in pre-weighed paper/degradable bags that are added to the mix at the batch plant. To ensure even fiber disbursement, do not add concurrently with cement. If added after all the standard ingredients, then continue to mix for an additional 3 – 5 minutes.

Normal Dosage rate for **Nytech® PPF** is 1.5 pounds / yd³ of concrete.

Packaging:

Standard Packaging for **Nytech® PPF** fibers is:

1.5 lb bags 16 bags / box, 36 boxes/skid

7.5 lb bags 4 bags / box, 36 boxes/skid

Other packaging options available

Physical Properties:

Specific Gravity..... 0.91
Melting Point..... 320° - 340° F
Alkali & Chemical Resistance..... Excellent
Water Absorption..... Nil
Color..... White
Modulus of Elasticity..... 500 Ksi

Shipping Policy:

NMW, Inc. utilizes multiple shipping points around the country and can have products virtually anywhere in the US in 1 - 2 days.

All LTL shipments/deliveries are fob plant.*

*Some exceptions apply

Limitations:

Nytech® PPF fibers are intended to reduce plastic shrinkage cracking and provide secondary/temperature-shrinkage reinforcement. **Nytech® PPF** should not be used as structural reinforcement. NMW, Inc. warrants that the product sold hereunder is of merchantable quality and conforms to seller's standards and specifications. Seller's sole liability for claim shall be limited to replacement of defective or non-conforming product. In no event shall seller be liable for any special, incidental, consequential, or exemplary damages. NMW, Inc. recommends that each user determine the suitability of the product(s) for their own particular application.



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