

**NYCON-PVA RFS400**  
PVA (Polyvinyl Alcohol), Medium Denier, Superior Bond



**ULTRA-HIGH PERFORMANCE FIBERS**

PVA fibers are unique in their ability to create a fully-engaged molecular bond with mortar and concrete that is **300% greater** than other fibers.



**NYCON-PVA RFS400 Physical Properties**

Filament Diameter	40 Denier (200 Microns)
Fiber Length	0.75" (19 mm)
Specific Gravity	1.3
Tensile Strength	150 ksi (1000 MPa)
Flexural Strength	4200 ksi (29 GPa)
Melting Point	435° F (225° C)
Color	White
Water Absorption	<1% by Weight
Alkali Resistance	Excellent
Concrete Surface	Not Fuzzy
Corrosion Resistance	Excellent



**Description**

NYCON-PVA RFS400 fiber products are 40 denier, monofilament PVA fibers for use in fiber reinforced concrete, stucco, shotcrete and precast. NYCON-PVA RFS400 is specifically designed for use in concrete products for the purpose of controlling plastic shrinkage, thermal cracking and improving abrasion resistance.

*NYCON-PVA RFS400 meets the requirements of ASTM C-1116, Section 4.1.3 and AC-32 at 1.0 lb (0.45 kg) per CY.*

**Applications**

NYCON-PVA utilizes the mixing activity to disperse the fibers into the mix. NYCON-PVA acts with a molecular bond in the concrete with a multi-dimensional fiber network. NYCON-PVA does not affect curing process chemically.

NYCON-PVA can be used in all types of concrete. Synthetic fibers help the concrete at early ages, which is especially beneficial where stripping time and handling is important.

# NYCON-PVA RFS400

## PVA (Polyvinyl Alcohol), Medium Denier, Superior Bond



<b>Advantages/Benefits</b>	<ul style="list-style-type: none"><li>• Molecular bond with the concrete</li><li>• Reduces the formation of plastic shrinkage cracking in concrete.</li><li>• Provides multi-dimensional reinforcement.</li><li>• Improves impact, shatter and abrasion resistance of concrete.</li><li>• Enhances durability and toughness of concrete.</li><li>• Excellent, "no fuzz" finishability</li></ul>
<b>Mixing</b>	NYCON-PVA RFS400 can be added directly to the mixing system during or after the batching of the ingredients and mixed at high speed for a minimum of five minutes. Additional mixing does not adversely affect the distribution or overall performance of NYCON-PVA. The addition of NYCON-PVA at the normal or high dosage rate does not require any mix design or application changes. A water reducer or super-plasticizer is recommended in concrete products where improved workability and finishability are desired.
<b>Tooling &amp; Finishing</b>	Fiber reinforced concrete can be finished by most finishing techniques. NYCON-PVA does not affect the finishing characteristics of concrete. NYCON-PVA can be used in power/hand troweled concrete, colored and broom finished concrete.  NYCON-PVA can be pumped and placed using conventional equipment. Hand screeds can be used, but vibratory and laser screeds are recommended to provide added compaction and bury surface fibers.
<b>Packaging</b>	(35) 1 lb (0.45 kg) paper beater bags per box, 700 lbs per pallet (35) 1 lb (0.45 kg) Melt-Away® bags per box, 700 lbs per pallet (21) 40 lb (18 kg) paper bulk bags, 693 lbs per pallet
<b>Storage and Shelf Life</b>	NYCON-PVA should be stored in dry warehouse. Protect product from the rain.

**KEEP CONTAINER TIGHTLY CLOSED - KEEP OUT OF REACH OF CHILDREN - NOT FOR INTERNAL CONSUMPTION - FOR INDUSTRIAL USE ONLY**

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