

NYCON-SSF TYPE V (STAINLESS STEEL)
 High Performance Fiber, ASTM A820, Continuously Deformed



NYCON-SSF TYPE V CONTINUOUSLY DEFORMED STAINLESS STEEL FIBERS are drawn wire for reinforced concrete. NYCON-SSF fibers distribute stresses within the concrete and provide improvement to ductility.



NYCON-SSF TYPE V Physical Properties

Filament Diameter	0.046" (1.18 mm)
Fiber Length	1.5" (38 mm) or 2" (50 mm)
Specific Gravity	7.8
Tensile Strength	150 ksi (1030 MPa)
Flexural Strength	29,000 ksi (203 GPa)
Melting Point	2760° F (1516° C)
Color	Stainless Steel
Water Absorption	Nil
Alkali Resistance	High
Corrosion Resistance	High



Description

NYCON-SSF TYPE V stainless steel fiber products are drawn, continuously deformed stainless steel fibers for use in reinforced concrete and shotcrete.

NYCON-SSF TYPE V steel fibers meet the requirements of ASTM A820.

APPLICATIONS	BENEFITS
Shrinkage Control Dosage: 20-30 lbs per CY, 10-15 kg/m ³	Length and count is a consideration. Impending or modifying crack growth is one of the benefits of a high fiber count. There are durability benefits provided at this dosage level.
Light Traffic and/or Static Loading Dosage: 30-40 lbs per CY, 15-20 kg/m ³	Steel fibers provide secondary shrinkage reinforcement and durability benefits. A degree of load carrying can be assigned to the steel fibers at the upper end of the dose range.
Medium Dynamic and/or Static Loading Dosage: 40-60 lbs per CY, 20-30 kg/m ³	Steel fibers provide secondary shrinkage reinforcement, durability benefits and for slab-on-grade, a degree of load carrying capacity. Shotcrete and precast products also benefit from steel fibers.
Heavy Dynamic and/or Static Loading Dosage: 60-100 lbs per CY, 30-50 kg/m ³	At this dosage, steel fibers translate into enhanced engineering properties. Applications include runways, taxi-ways, tunnel liners, slope stabilization and jointless floors.
Special Applications Dosage: 100-160 lbs per CY, 50-80 kg/m ³	These applications include ballistic blast walls and thin architectural panels.

NYCON-SSF TYPE V (STAINLESS STEEL)

High Performance Fiber, ASTM A820, Continuously Deformed



Advantages/Benefits	<ul style="list-style-type: none">• Corrosion resistant stainless steel• Provides multi-dimensional reinforcement.• Improves impact resistance of concrete.• Enhances durability and toughness of concrete.• Excellent finishability
Mixing	NYCON-SSF TYPE V steel fibers 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-SSF TYPE V steel fibers. The addition of NYCON-SSF TYPE V steel fibers at the normal recommended 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.
Tooling & Finishing	<p>Fiber reinforced concrete can be finished by most finishing techniques. NYCON-SSF TYPE V steel fiber does not affect the finishing characteristics of concrete. NYCON-SSF TYPE V steel fiber can be used in power/hand troweled concrete, colored and broom finished concrete.</p> <p>NYCON-SSF TYPE V steel fiber 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.</p>
Packaging	(40) 55 lb (25 kg) paper bags per pallet, 2200 lbs per pallet (55) 40 lb (18 kg) paper bags per pallet, 2200 lbs per pallet
Storage and Shelf Life	NYCON products 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

All information provided by Nycon Corporation concerning Nycon products, including but not limited to, any recommendations and advice relating to the application and use of Nycon products, is given in good faith based on Nycon's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Nycon's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Nycon's control are such that Nycon assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Nycon product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s).

Nycon reserves the right to change the properties of its products without notice. All sales of Nycon product(s) are subject to its current terms and conditions of sale which are available at www.nycon.com or by calling 800-456-9266.

Prior to each use of any Nycon product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Material Safety Data Sheet which are available. Nothing contained in any Nycon materials relieves the user of the obligation to read and follow the warnings and instruction for each Nycon product as set forth in the current Product Data Sheet, product label and Material Safety Data Sheet prior to product use.

Nycon warrants this product for one year from date of shipment to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Nycon SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. Nycon SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

800-456-9266	www.nycon.com	sales@nycon.com
---------------------	---	---