

DESCRIPTION

FiberForce T5 is a low carbon, cold-drawn steel wire fiber, which meets the requirements of ASTM A820 Type V. The continuously deformed Type V steel fiber also meets the requirements of ASTM C1116, Section 4.1.1. FiberForce T5 was developed for use as temperature-shrinkage reinforcement and post-first crack toughness in concrete.

PROPERTIES

Material	Modified Cold-Drawn Steel Wire
Tensile Strength	128 ksi (883 MPa)
Aspect Ratio	32
Standard Length	1.5 in (38 mm)
Configuration	Corrugated

FEATURES & BENEFITS

- Crack-width control due to shrinkage/temperature restraint
- Redistributes shrinkage-stresses in concrete
- Increases concrete durability - impact/abrasion resistance, fatigue strength, and ductility
- Provides post-first crack residual strength
- Uniformly distributed 3-dimensional reinforcement throughout concrete
- Fast-track construction schedules

APPLICATIONS

- Slabs-on-ground (commercial)
- Slabs on composite metal deck
- Topping slabs
- Paving/overlays
- Shotcrete
- Precast

MIXING INSTRUCTIONS

FiberForce T5 is pre-packaged in bags that are **NOT** water-soluble. The bags must be manually opened and dispersed at a uniform rate into the concrete anytime during or after the oncrete is batched. Mix for 5 minutes at full charging speed (75-100 revolutions) to ensure complete dispersion of fibers. FullForce recommends the utilization of the appropriate water reducing chemical admixture for any slump or workability modification that may be required with this technology.

PACKING & STORAGE

FiberForce T5 is packaged in 55 lb non-water-soluable bags. Pallets and boxes are labeled with the fiber technology and bag weight. Store material in a dry environment. Avoid storing in direct sunlight.

GENERAL SPECIFICATIONS

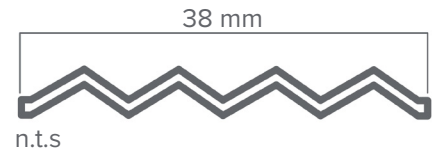
The dosage rate for FiberForce T5 is typically between, but not limited to, 25 to 120 lb/yd³. FiberForce T5 is not intended to replace primary, structural steel in concrete. FiberForce T5 shall be added per project specifications or engineer’s instructions.

PRODUCT APPROVALS AND COMPLIANCE WITH INDUSTRY STANDARDS

- ASTM A820 Type V
- ASTM C1116 Section 4.1.1

TECHNICAL SUPPORT

In-house professional engineers are available for product specification guidance and design support. FullForce technical sales managers are available to assist with field support and guidance related to the use of any FullForce technologies.



LIMITED EXPRESS WARRANTY, DISCLAIMER OF IMPLIED WARRANTIES AND LIMITATION OF LIABILITY: As used herein, the term "FiberForce" is a product sold by ABC Polymer Industries, LLC and its subsidiaries ("ABC"). The terms of ABC's invoices including this warranty and limitation of liability, without limitation, shall be governed by and construed in accordance with the laws of the State of Alabama where it was manufactured and from where it was shipped. FiberForce fibers are intended to reduce plastic shrinkage cracking but should not be used as structural reinforcement. ABC's warranty is solely to the purchaser (and no other party) and (1) is limited to a period of 180 days from the date of its invoice and (2) is that the product sold is of good quality and conforms to the seller's most recent published standards and specifications. ABC expressly disclaims any and all other warranties including, without limitation, merchantability and fitness for particular purpose. The seller's sole liability for any claim shall be limited to the cost of replacement of defective or non-conforming product, and not for any of purchaser's other alleged costs. In no event shall the seller be liable for any special, incidental, consequential, liquidated, punitive, or exemplary damages, or for claims of lost profits or lost jobs. Purchaser itself shall determine the suitability of the product(s) for its own particular application. ABC engineering and sales personnel are available to assist in providing information to allow purchaser to select the appropriate fiber for a given application, and will provide an overview of anticipated performance based upon experience and testing data. ABC personnel will provide information as requested but the design and implementation of purchaser's product is solely the responsibility of purchaser. ABC will provide on-site support as requested and when deemed necessary but will not participate in the supervision of any project, or be responsible for its installation or outcome. FullForce's responsibility is to support our customers and to provide our customers with the best materials and assistance in marketing these products. © 2023 FullForce by ABC Polymer Industries, LLC