

**DESCRIPTION**

FiberForce T1-60 is a cold-drawn steel wire fiber which meets the requirements of ASTM A820 Type I. FiberForce T1-60 was developed for use as temperature-shrinkage reinforcement and post-first crack toughness in concrete. FiberForce T1-60 has been manufactured with hooked ends to enhance interlock within the concrete mix.

**PROPERTIES**

Material	Cold-Drawn Steel Wire
Tensile Strength	179.4 ksi (1,237 MPa)
Aspect Ratio	67
Length	2.36 in (60 mm)
Coating	None
Configuration	Hooked Ends

**FEATURES & BENEFITS**

- Crack-width control due to shrinkage/temperature restraint and applied load
- 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 (industrial) warehouse/distribution centers
- Slabs on composite metal deck
- Mat foundations
- Topping slabs
- Paving/overlays
- Shotcrete
- Precast

**MIXING INSTRUCTIONS**

FiberForce T1-60 is pre-packaged in bags or boxes that are **NOT** water-soluble. The bags or boxes must be manually opened and dispersed at a uniform rate into the concrete anytime during or after the concrete 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 T1-60 is packaged in 44 lb to 50 lb non-water-soluble bags or boxes. Pallets and boxes are labeled with fiber technology and bag weight. Store material in a dry environment. Avoid storing in direct sunlight.

**GENERAL SPECIFICATIONS**

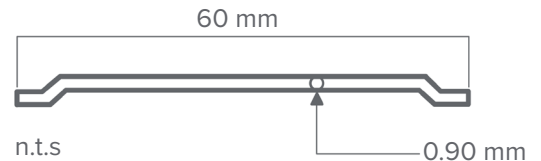
The dosage rate for FiberForce T1-60 is typically between, but not limited to, 20 to 125 lb/yd<sup>3</sup>. FiberForce T1-60 is not intended to replace primary, structural steel in concrete. FiberForce T1-60 shall be added per project specifications or engineer's instructions.

**PRODUCT APPROVALS AND COMPLIANCE WITH INDUSTRY STANDARDS**

- ASTM A820 Type I
- 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