

TechnoFiber™ FF

Forta Concrete Fiber

TECHNOPOL

مقاوم سازی تکنوپل

PRODUCT DESCRIPTION

TechnoFiber™FF is a mixture of 100% virgin copolymer / polypropylene fibers, consisting of a bundle of monofilament fibers, non-fibrillated twists and a network of fibrillated fibers, resulting in a high performance reinforcement. This fiber offers maximum long-term durability and structural improvements. Through their configuration, the fibers ensure the best dispersion in concrete.



Buildings
Structures



Transportation
Infrastructure



Water &
Wastewater



Oil, Gas &
Industrial



Waterfront
Structures



Industrial
Facilities

TECHNICAL DATA

	Unit	TechnoFiber™FF
Chemical base		100% virgin copolymer / polypropylene
Form		Mono filament / Fibrillated
Color		Gray
Density	kg/ cm ³	0.91
Tensile Strength	MPa	550-600
Length	mm	38-54
Acid / Alkali Resistance	-	Yes

ADVANTAGES

- Dispersed reinforcement (each cm of concrete is reinforced)
- Reduce plastic shrinkage cracking
- Handling (a bag weighs 1 kg compared to 20 kg a metal fiber bag)
- Pumping (have no pumping problems, no clumps are formed)
- Increase impact and shear resistance
- Increase post-cracking residual strength

TYPICAL USES

TechnoFiber™FF is mainly used in concrete applications such as:

- Industrial floors
- Parking lots
- Bridge decks
- Shotcrete
- Loading / unloading ramps
- Prefabricated products

PACKAGING

Individual Bag Weight: 20kg

INISTALATION PROCEDURE

The recommended doses of TechnoFiber™FF is 0.2% to 2.0% by volume of concrete (1 - 7.5 kg / m³ of concrete) added directly to the concrete system during, or after, dosing of other ingredients and mixed at time and rotation speed recommended by the mixer manufacturer (usually four to five minutes).

FAIRST AID

Skin

Wash fibers off skin with water and soap. If fibers are embedded in the skin, remove with tweezers. Discard clothing that may contain embedded fibers. Seek medical advice if exposure results in adverse effects.

Eyes

Immediately flush with a continuous water stream for at least 20 minutes. Washing immediately after exposure is expected to be effective in preventing damage to the eyes. Seek medical advice.

Inhalation

If there is inhalation exposure to the fibers of this product, remove source of exposure and move victim to fresh air. If victim is not breathing, give artificial respiration. If there is breathing difficulty, give oxygen. Seek medical advice for any respiratory problems.



Ingestion

Ingestion is not a likely means of exposure for this product. If ingestion does occur, do not induce vomiting. Give nothing by mouth if victim is unconscious. Seek medical advice.

DISCLAIMER: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Technopol products makes no claim that these tests or any other tests, accurately represent all environments.
