

Product Information

Genesis® SF

Synthetic Macro Fiber Reinforcement

GENESIS® SF Synthetic Macro Fibers are manufactured and engineered for secondary reinforcement of concrete for primary use in Precast and Slab on Ground applications.

The design of the **GENESIS® SF** is consistent with other **GENESIS®** fibers, providing excellent plastic shrinkage crack reduction, while enabling the cementitious material to develop its optimum integrity and improve its long-term durability. Its enhanced properties impart increased toughness, impact and fatigue resistance.



ADDITIONAL PRODUCT BENEFITS

- Reduces or eliminates the need for Welded Wire Mesh
- Reduces concrete permeability
- Reduced handling and transportation stresses
- Holds closer tolerances to precast forms
- Provides effective shrinkage and settlement crack control
- Improved green strength permits earlier stripping of forms
- Reduced production time and material costs

"We have been using Genesis SF at 5lbs. per cubic yard dosages for our lawncrypt project at Tahoma National Cemetery in Kent, WA, since July 2004. After nearly 2000 pre-cast units built, of which over half have been delivered and installed on site, we haven't had any reason to look back on our choice of fiber manufacturer.

We are pleased to offer our veterans a final resting place built with the utmost care to quality and dignity. PGI has played an important role in supplying us with an effective and affordable Structural fiber.

We are fully satisfied with what Genesis SF has done for us."

- David A. Jones
Automatic Wilbert Vault

Performance Fibers for Precast Applications

Product Specification

PRODUCT DESCRIPTION:

GENESIS® SF Fibrillated Fibers are manufactured from a blend of polypropylene resins, in compliance with ASTM C-1116 "Standard Specification for Fiber-Reinforced Concrete and Shotcrete." **GENESIS® SF** Synthetic Macro Fibers are specifically engineered for use in precast and slab on ground concrete as secondary reinforcement, and for the purpose of controlling plastic shrinkage and settlement cracking.

†PHYSICAL PROPERTIES:

Specific Gravity.....	0.91
Ignition Point	590°C
Melt Point	160°C
Water Absorption.....	Nil
Chemical Resistance	Excellent
Alkali Resistance.....	Excellent

MANUFACTURER'S RECOMMENDATIONS:

GENESIS® SF Synthetic Macro Fibers can be added at dosage rates from 1.5 lbs. per yd³ (0.1% by volume), up to 7.5 lbs. per yd³, unless otherwise specified. **GENESIS® SF** Fibers are packaged in pre-measured, ready for concrete, degradable bags - designed to be introduced into the mix at any time before, during or after the Ready-Mixed Concrete. PGI recommends proper mixing procedures as specified in ASTM C94.

†WARRANTY AND LIMITATION OF LIABILITY:

Product sold hereunder is of merchantable quality and conforms to seller's standards and specifications. Seller's sole liability for claim shall be limited to replacement of defective or nonconforming product. In no event shall seller be liable for any special, incidental, consequential, or exemplary damages. PGI recommends that each user determine the suitability of the product(s) for their own particular application.

GENESIS® SF Technology is Patent Pending

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