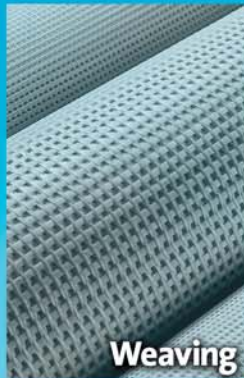




**We make  
what you make  
stronger.**

WIWK

Mat Forming



Weaving



Laid Scrim



Coating



Lamination

Saint-Gobain Technical Fabrics (SGTF) manufactures fabric made with a variety of input yarns, including glass, polyester, aramids, rayon and hybrids, which are combined with advanced polymer coatings.

Traditional and innovative forming techniques are used to optimize the performance properties of these fibers for specific applications. This results in cost-effective reinforcement solutions. On-staff chemists and engineers work constantly on refining and developing new technologies to improve your products.

Today, SGTF is the only company to offer you all these technology platforms from one source.

**strength · stability · solutions**



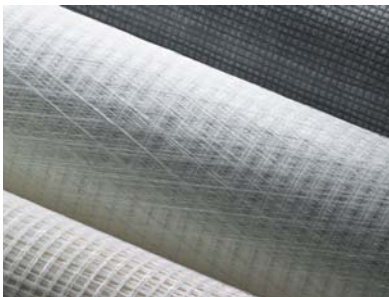
  
**SAINT-GOBAIN**  
**TECHNICAL FABRICS**

# Reinforcement Technologies



## Weft Inserted Warp Knitting (WIWK)

Weft inserted warp knitting is a process where three different yarn sources are used to form a fabric. There are warp (machine direction) yarns, weft (cross direction) yarns and a stitch yarn that is used to tie the warp and weft yarns together. This process can be done with various yarn spacing and input yarns, as well as adding a substrate if desired.



## Laid Scrim Forming

Laid scrim is an economical reinforcing fabric made from continuous filament yarn in an open-mesh construction. The non-woven yarns are chemically bonded, enhancing the scrim with unique characteristics. Any input yarn can be used to form laid scrim.



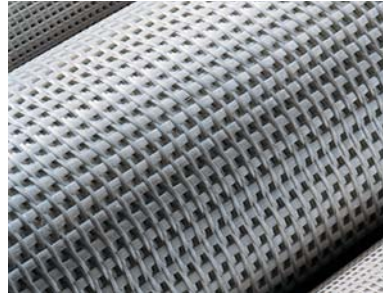
## Mat Forming

Fiberglass mat is a non-woven wet formed sheet comprised of randomly sized and dispersed fiberglass that is bonded together with a binder system. These mats perform as a substrate for various construction products. The fiberglass mat is made into rolls whose weight and physical characteristics are specified by the customer.



## Coating

SGTF specializes in the development of exclusive coating compounds that are used in conjunction with fabric products to protect fibers, enhance processing or impart a unique property to end products.



## Weaving

A reinforcement filament fabric is made by interlacing at least two sets of threads perpendicular to each other, or at some other specified angle. Our weaving process gives you the flexibility of including multiple weaving patterns and/or materials, resulting in a thin, lightweight, uniform and highly efficient product.



## Lamination

Two or more substrates are combined – via wet or thermal processing – to form a hybrid fabric that promotes the best properties of each. Layer sequence is completely customizable for a versatile product that meets your exacting specifications.



## About Saint-Gobain Technical Fabrics

Saint-Gobain Technical Fabrics' (SGTF) parent company, Saint-Gobain, was founded in 1665. Through strong ideas and strategic partnerships, Saint-Gobain expanded its expertise to over 51 countries. Working with leading companies in several business sectors, Saint-Gobain has emerged as the world's largest building materials firm.

Each of Saint-Gobain's 207,000 employees shares a commitment to outstanding customer service and product innovation. In fact, over \$437 million is invested annually in R&D and more than 240 new patent applications are filed each year.

Today, Saint-Gobain's valued subsidiary, SGTF, is achieving new levels of success, mainly through its multiple technology platforms, which it offers "all under one roof." This serves as the basis for its unique product offerings and custom-made solutions.

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