



UNIFILO® 800 SERIES

Benefit from conformability and permeability

Unifilo® 800 Series continuous filament mats represent a wide variety of tailored reinforcement solutions for efficient manufacture of various composite parts by closed mold process.

✔ Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.

✔ Made of continuous filaments randomly oriented and bonded together by a thermoset binder.

Product Benefits



Customized For Multiple Needs

- Unifilo® 800 Series mats are available with varying strand design and binder contents to match up with specific customer applications.



Corrosion Resistance

- Excellent corrosion resistance with Advantex® Glass compared to standard E-glass: providing longer service life in applications facing corrosion.

Lower Binder

U812/U852

U813

U814/U854

U816/U850

U817

Higher Binder

Better Conformability

Better Bonding
Easier Handling



Efficient Processing

- U850 high permeability product family enables enhanced resin flow in highly filled systems.
- U810 product family offers a good compromise between low, medium and high drapability and permeability.

Application

Unifilo® 800 Series mats are compatible with unsaturated polyester, vinyl ester, acrylic and epoxy resins. They are designed to be processed in closed mold processes including RTM (high and low-pressure injection), infusion and compression molding. Applications include heavy truck, automotive and industrial parts.



Availability

Unifilo® 800 Series mats are available worldwide. All products are made to order. Additional widths are available upon request by your Owens Corning contact.

NOMINAL MAT WEIGHT (G/M ²)	MAT WEIGHT (OZ./SQ.FT.)	ROLL WIDTH (CM)	ROLL WIDTH (IN)
225 - 300 - 450 - 600 - 900	0.75 - 1.0 - 1.5 - 2.0 - 3.0	127 - 138	50 - 54.3

Packaging

Each roll is wound up on a 102 mm (4") internal diameter cardboard tube and wrapped with a transparent stretch film.

NOMINAL MAT WIDTH (CM/IN)	ROLL Ø (CM/IN)	ROLLS PER PALLET	PALLET SIZE (CM/IN)
≤105/41	55/22	8	114 x 114 / 45 x 45
105 to 210 / 41 to 83	55/22	4	114 x 114 / 45 x 45
>210/83	55/22	2 to 8	Wooden Crate

Labeling

Each roll bears a label detailing the product description, product code, real weight, roll width, roll number and date of manufacture.

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. Ideal conditions are at a temperature between 10 °C and 35 °C and a relative humidity between 35% and 85%. The glass fiber products must remain in their original packaging material until the point of usage. If the storage temperature is below 15 °C, it is recommended that the product be stored in the workshop, within its original packaging, at least 24 hours prior to use to help prevent condensation. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to ensure optimum performance.

**MAKE
MORE
POSSIBLE™**

Americas

One Owens Corning Parkway
Toledo, Ohio, USA 43659
1-800-GET-PINK™

Europe

166 Chaussée De La Hulpe
B-1170 Brussels, Belgium
+32 3 674 8211

Asia Pacific

40/F, Pudong Kerry Parkside,
115 Fang Dian Road, Pudong,
Shanghai, 201204, China
+86-21-61019666

This information and data contained herein is offered solely as a guide in the selection of product. We believe this information to be reliable but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application of the product to determine its suitability. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe on any patent or violate any law, safety code, or insurance regulation. We reserve the right to modify this document without prior notice.

Pub. No. 10010967-C. Unifilo 800 Series Product Data Sheet. December 2025. English. © 2026 Owens Corning. All Rights Reserved.