



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.



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.

Corrosion resistance

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

Application

U800 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 and Labeling

NOMINAL MAT WIDTH		ROLL DIAMETER		ROLLS PER PALLET	PALLET SIZE	
(CM)	(IN)	(CM)	(IN)		(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	

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

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, and retesting is advised after three years from the initial production date to insure optimum performance.



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Pub number: 10010967-C. Unifilo 800 series_CFM_product data sheet_ww_07-2020_Rev1. July 2020. English.

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