

UNIFILO® 800 SERIES

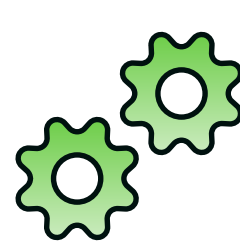
Benefit from conformability and permeability



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.
-  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.



Efficient Processing

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

Lower Binder

U812/U852	U813	U814/U854	U816/U850	U817
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Higher Binder

Better Conformability

Better Bonding Easier Handling

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 & Packaging

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

NOMINAL MAT WEIGHT (G/M²)	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

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

ROLL DIAMETER (CM)	MAT WIDTH (CM)	PACKAGING TYPE	PROTECTION SYSTEM	NUMBER OF ROLLS/ PACKAGING TYPE	PACKAGING DIMENSIONS L x W x H (CM)
55	50 to 65	Pallet (vertical rolls)	Cardboard base and cover. Fully wrapped by a stretch film.	12	114 x 114 x (3H +15)
	66 to 105			8	114 x 114 x (2H +15)
	106 to 205			4	114 x 114 x (H +15)
52	206 to 255	Wooden Crate (horizontal rolls)	Each roll protected by a polyethylene bag	8	230 x 112 x 243
	277 to 300			6	H x 109 x 176

Labeling

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

Storage

Unless otherwise specified, it is recommended that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10°C and 35°C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after three years from the date of manufacture to help ensure optimum performance.

MAKE
MORE
POSSIBLE™

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