



M8643 BRING PERFORMANCE IN DEMANDING PULTRUSION APPLICATIONS

M8643 continuous filament mat represents a viable solution for efficient manufacture of high-quality continuous profiles by pultrusion process.

- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Made of continuous filaments randomly oriented and bonded together with a thermoset binder.

Product Benefits

Increased productivity

- High tensile strength makes the product ideal for fast pultrusion speed and most challenging profiles.

Very good surface aspect

- Uniform glass distribution combined with fast wet-through and good wet-out enable pultruded profiles with very good surface aspect.

Corrosion resistance

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

Application

M8643 mat is compatible with unsaturated polyester and vinyl ester resin systems and designed primarily for the reinforcement of pultruded shapes including gratings, ladder rails, frames, insulators.



Picture courtesy Strongwell, USA (under bridge)

Availability

M8643 is available in North America. Combinations of non-standard weights and widths may be available upon request by your Owens Corning contact.

WEIGHT (OZ./SQ. FT.)		TRIMMED WIDTH (INCHES)	
STANDARD	NON-STANDARD	STANDARD	NON-STANDARD
0.75			
1.00	0.75	50	36-39 (1/4 in.)
1.25			
1.50	1.25	68	48-49.5 (1/2 in.)
1.75			
2.00	1.75	72	73, 73.5, 76
3.00			

Packaging (Standard Reference)

The mat is wound on a 4" inside diameter paper tube holding printed information allowing 100% traceability once roll is slit.

Each roll is protected with a polyethylene film. The load is fixed to the pallet with a stretch or a shrink film as an Owens Corning option.

MAT WIDTH (IN)	ROLL Ø (IN)	ROLLS PER PALLET	PALLET SIZE (IN)
All	19 to 22	6	66 to 44 with a min. height of 3½

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 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 insure optimum performance.



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