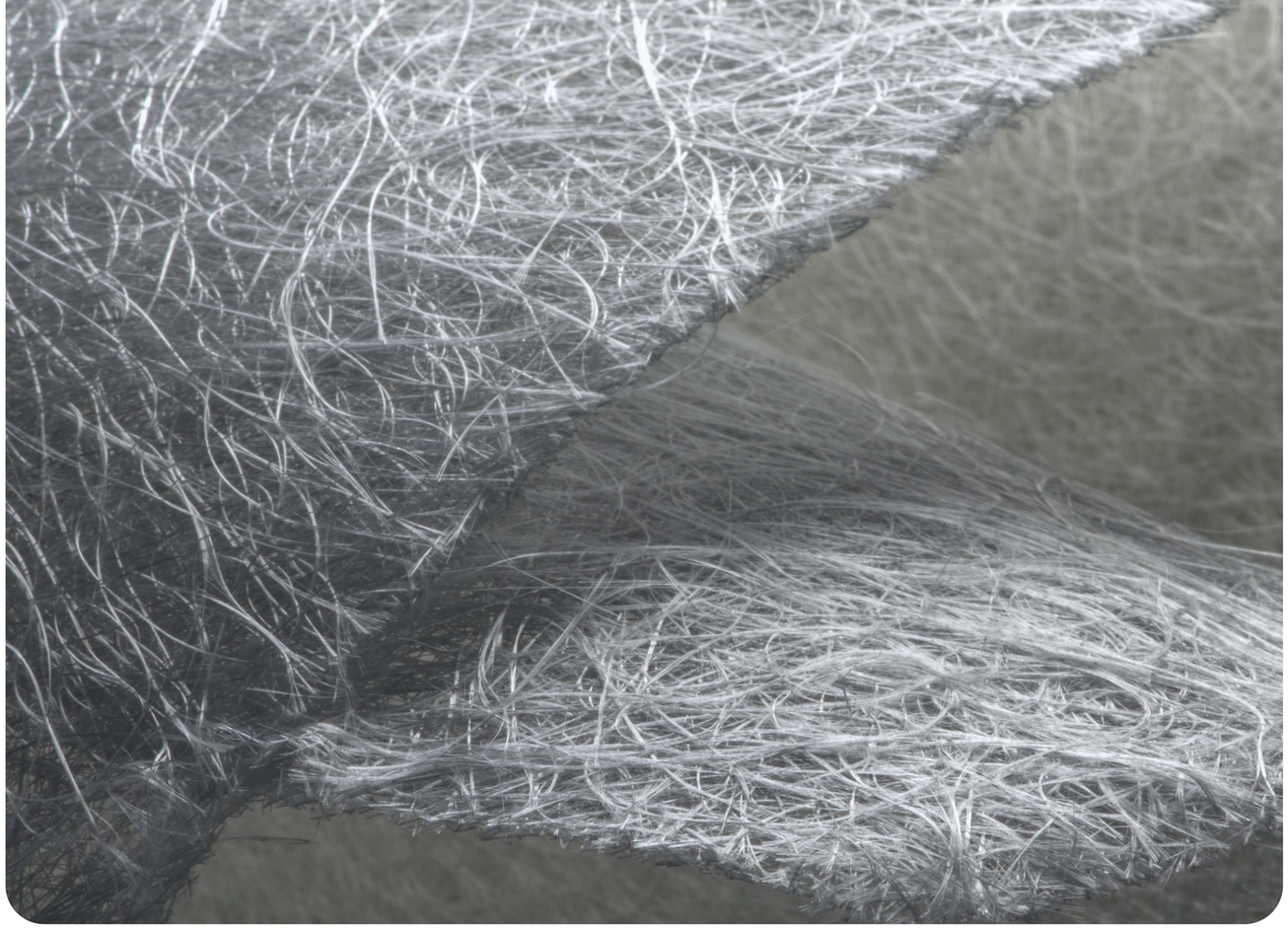
Original
Composites &
Fiberglass

M8643

Bringing performance in demanding pultrusion applications



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

- Produced with patented Advantex® corrosion resistant E-CR glass.
- 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

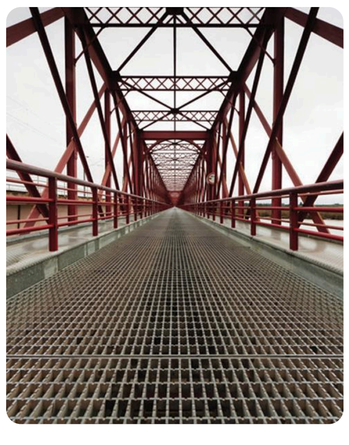
- Uniform glass distribution combined with fast wet-through and good wet-out enables pultruded profiles with very good surface aspect.

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, and insulators.



M8643 PULTRUSION JULY 2026

Availability

M8643 is globally available. Additional weights and widths are available upon request by contacting your representative.

NOMINAL MAT WEIGHT (G/M²)	NOMINAL MAT WEIGHT (OZ/FT²)	ROLL WIDTH (CM)	ROLL WIDTH (IN)
225 - 300 - 450 - 600 - 900	0.75 - 1 - 1.5 - 2 - 3	127 - 172.7 - 182.9 - 213.4	50 - 68 - 72 - 84

Packaging and Labeling

Each roll is wound on a 101.6 mm (4″) inside diameter paper tube, fully enclosed in Creel-Pak® wrap, positioned vertically on each pallet, and Cling-Pak® wrapped. To allow 100% traceability once the roll is slit, information can be printed onto the wrapping film and the core paper tube.

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

NOMINAL MAT WIDTH (CM)	NOMINAL MAT WIDTH (IN)	NOMINAL ROLL DIAMETER (CM)	ROLL DIAMETER RANGE (IN)	ROLLS PER PALLET	PALLET SIZE (CM)	PALLET SIZE (IN)
⩽ 106.7	⩽ 42	55	19 - 22	12	167.6 x 111.8	66 x 44
> 106.7	> 42	55	19 - 22	6	167.6 x 111.8	66 x 44

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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