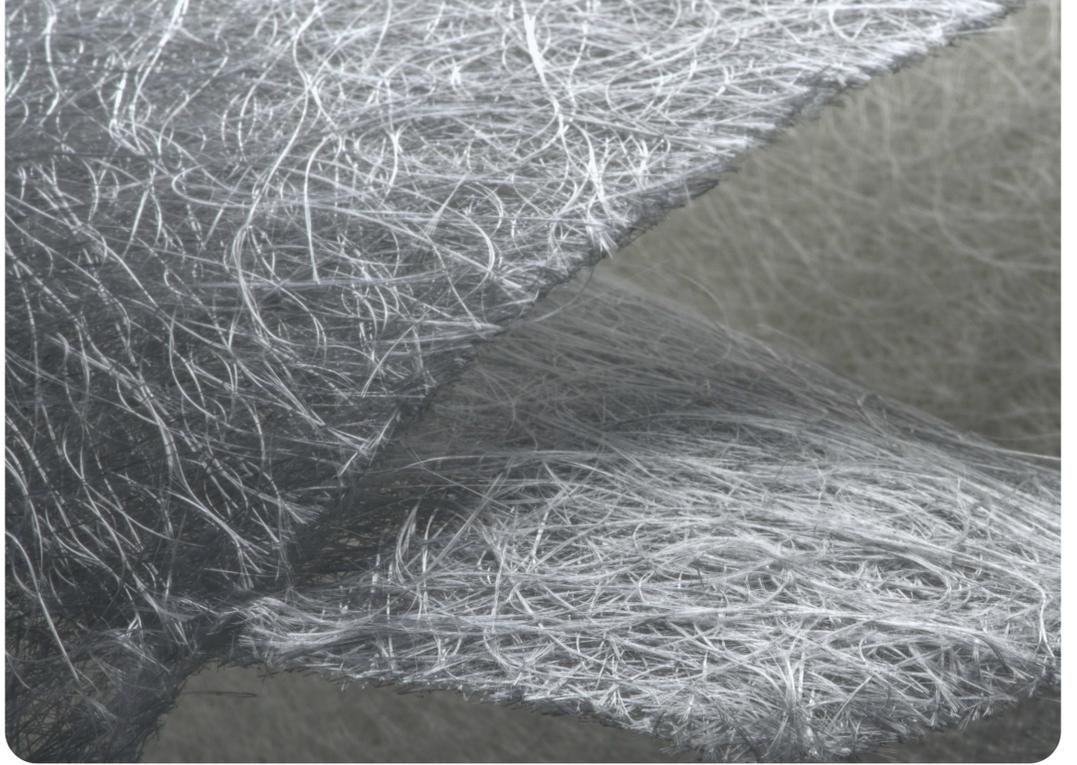




M8643

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 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 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.



Availability

M8643 is available in the Americas. Additional weights and widths are available upon request by your Owens Corning contact.

NOMINAL MAT WEIGHT (G/M ²)	NOMINAL MAT WEIGHT (OZ/FT ²)	ROLL WIDTH (CM)	ROLL WIDTH (IN)
300 - 450 - 600 - 900	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 is 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)	ROLL DIAMETER (CM)	ROLL DIAMETER (IN)	ROLLS PER PALLET	PALLET SIZE (CM)	PALLET SIZE (IN)
≤ 106.7	≤ 42	55	21.5	12	167.6 x 111.8	66 x 44
> 106.7	> 42	55	21.5	6	167.6 x 111.8	66 x 44

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. 10010786-A. M8643 Product Data Sheet. December 2025. English. © 2026 Owens Corning. All Rights Reserved.