



U801 & U809 STRENGTHEN POLYURETHANE FOAM

U801/U809 continuous filament mats represent specific solutions to homogeneously reinforce expanded polyurethane foam.

- 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 PU foam process

- U801/U809 specific design helps to even mat expansion during the PU foaming process.
- U809 is compatible with CO₂ blowing agent used in insulating material manufacturing process. Excellent glass/polyurethane bonding brings improved mechanical performance and dimensional stability to the PU foam.
- U801 superior drapability fits the most complex mold shapes.

Corrosion resistance

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

Application

U801/U809 mats are compatible with polyurethane resin systems and designed for PU foam reinforcement process. U809 is suited for LNG (Liquefied Natural Gas) carrier cryogenic insulating systems. U801 is recommended for PU foam reinforcement in replacement of wood structure, in housing and recreational vehicle applications.



Availability

U801/809 are available worldwide. All products are made to order. Additional widths are available upon request by your Owens Corning contact.

NOMINAL MAT WEIGHT (G/CM2)	NOMINAL MAT WEIGHT (OZ./SQ.FT.)	ROLL WIDTH (CM)	ROLL WIDTH (IN)
225	0.75	-	For all nominal weights
300	1.0	127	50
450	1.5	128	54
600	2.0	-	-
900	3.0	-	-

Packaging

(Standard Reference)

Each roll is wound up on a 103mm (4.05 in) internal diameter cardboard tube and wrapped with a transparent stretch film.

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

Labeling

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

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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