



U101 ENHANCE SURFACE AESTHETICS & PERFORMANCE

U101 continuous filament mat represents a compelling solution for lamination of continuous flat or corrugated panels where surface aesthetics are important in translucent or non-translucent applications.

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

Product Benefits

Excellent processing

- Continuous filaments help the resin flow consistently in continuous panel processing.

Improved surface aesthetics

- Mat chemistry and construction have been tailored to enhance surface aesthetics.

High mechanical properties

- Continuous filament construction contributes to enhanced high tensile and flexural performance.

Corrosion resistance

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

Application

U101 mat is compatible with unsaturated polyester, vinyl ester, acrylic and epoxy resin systems. It is designed for lamination of continuous flat panels such as exterior panels for truck trailer or vehicle body, sandwich panel skins, as well as flat or corrugated translucent panels. Additionally, it can be used as surfacing media in preforms made with Unifilo® 700 mats.



Availability

U101 is available in Europe. Standard widths are available from 50 to 300cm. Additional widths are available upon request by your Owens Corning contact.

NOMINAL MAT WEIGHT (G/M ²)
150 - 250 - 300 - 450 - 600

ROLL WIDTH (CM)
100

Packaging (Standard Reference)

Each roll is wound on a 103mm internal diameter cardboard tube and wrapped with a transparent stretch film.

NOMINAL MAT WIDTH (CM)	ROLL Ø (CM)	ROLLS PER PALLET	PALLET SIZE (CM)
≤210	52	9	114 x 114
>210	52	9	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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