



# UNICONFORM<sup>®</sup> MAT EXCEL IN CONFORMABILITY AND TRANSLUCENCY

**UNICONFORM<sup>®</sup> mat is well suited for very complex forms requiring high deformation in closed molding process, and enables excellent translucency in panel applications.**

- Produced with patented Advantex<sup>®</sup> corrosion resistant E-CR glass by Owens Corning.
- Made of continuous filaments randomly oriented and without any binder, synthetic core or stitched yarn.

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## Product Benefits

### Challenging applications

- Good drapability and high-stretching provide ease of conformability and deformability to complex contours, while easy splicing and overlapping enable large and complex part design.

### Improved surface aesthetics

- The open mat structure enables a consistent resin distribution throughout the surface, providing a smooth appearance behind the gelcoat.
- Excellent panel clarity and translucency is provided by the use of glass material – no synthetic core or stitching.

### Improved performances

- Continuous fibers provide high tensile and flexural performance to the final part.
- Lack of organic binder provides improved smoke and fire resistance properties.

### Corrosion resistance

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

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## Application

UNICONFORM<sup>®</sup> mat is compatible with unsaturated polyester, vinyl ester, polyurethane and epoxy resin systems.

It is designed for the manufacture of complex shapes, translucent panels and fire-retardant applications in a wide range of industries including recreation, automotive, heavy truck, and commercial buildings.



Courtesy of Polin Waterparks, Turkey.

## Availability

UNICONFORM® mat is available worldwide.

Depending on the mat weight, the roll width will be 125 or 250cm (49.2 or 98.4 inches). Additional widths are available upon request by your Owens Corning contact.

NOMINAL MAT WEIGHT (G/M <sup>2</sup> )	OZ./SQ. FT.
450	1.5
600	2.0
750	2.5
900	3.0
1200	4.0
1800	6.0
2400	8.0

## 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/IN)	ROLL Ø (CM/IN)	ROLLS PER PALLET	PALLET SIZE (CM/IN)
125/49.2	38/15	9	114 x 114 (44.88 x 44.88)
250/98.4	38/15	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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