



# UNIFILO®

## For Corrugated Sheets And Truck Panels

### PRODUCT DESCRIPTION

Unifilo® is an Advantex® glass continuous strand mat of random orientation in multiple layers and held together by a binder. The Advantex® glass fiber combines the electrical and mechanical properties of traditional E-glass with the acid corrosion resistance of E-CR glass.

### PRODUCT REFERENCE

Example: U101 450 -100

- U : Continuous strand mat (Unifilo®)
- 101 : Product classification code
- 450 : Nominal weight per unit area (g/m<sup>2</sup>)
- 100 : Roll width (cm)

### PRODUCT APPLICATION

- For translucent sheets
- For the manufacture of flat sandwich panels for vehicle bodies by continuous impregnation process
- As a surface layer in preforms made with the U700 series of preformable Unifilo® mats; RTM molding



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### FEATURES AND PRODUCT BENEFITS

- Good translucency
- Available in a wide range of weights, from 150 to 600 g/m<sup>2</sup>
- Customized widths upon request

### TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

REF.	SIZING	SOLUBILITY IN STYRENE	LINEAR WEIGHT OF BASIC STRANDS (TEX)	LOSS ON IGNITION (%)	MOISTURE CONTENT (%)
			Iso 1889	Iso 1887	Iso 3344
U101	Silane	High	25	4.5	< 0.15

Refer to the Standard Product Specification for more precise information on the characteristics of the product.

### VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

- Type A: coarse strands
- Type B: cluster of glass fibre
- Type C: water spots
- Type D: binder spots, dirt and foreign matters (diameter below 30 mm)
- Type E: hole

Maximum number of defects allowed: each 100 lm Unifilo® roll section may contain at most 5 of the above listed defects.

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### PRODUCT AVAILABILITY

Available widths from 50 to 300 cm

ROLL WIDTH	STANDARD WEIGHTS	APPROXIMATE DIMENSIONS OF FULL* ROLL, 100 CM WIDE BY «FULL ROLL», IS UNDERSTOOD A ROLL HAVING A GUARANTEED LENGTH OF AT LEAST 90% OF THE VALUE INDICATED ABOVE		
		Diameter (cm)	Nominal length (m)	Nominal weight (kg)
(cm)	(g/m <sup>2</sup> )			
	100	52	350	52
	150	52	260	65
	250	55	240	72
	450	55	180	81
600	55	160	96	

### PACKAGING

- Each roll of Unifilo® is wound up onto a cardboard tube of 0.7 kg/m with 103 mm internal diameter, then individually wrapped with a transparent protective film.
- Pallet type:
  - Rolls ≥ 205 cm width: standard pallet (vertical rolls 14 x 114cm)
  - Rolls > 205 cm width: wooden crate (horizontal rolls).
- Pallet protection:
  - Standard pallet = shrink-wrapped (cardboard base and cover)
  - Wooden crate = each roll packaged in a polyethylene bag.

### LABELING

Each roll carries an information label with product reference.

Each pallet carries also an information label with: product reference, gross and net weights, the number of rolls on the pallet and their net weight.

### STORAGE

Unifilo® mat must be stored in its original packaging in a place avoiding humidity and heat.

The best conditions are a temperature between 15 and 35°C and a relative humidity level between 35 and 85%.

If the product is stored at low temperature (below 15°C), it is advisable to condition the mat in the workshop for at least 24 hours before use, to prevent condensation.

On site stacking of the pallets is possible one plus one (1/1), but it is recommended to use a plywood plate between the two pallets in order not to damage the lower pallet.

#### Contact

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