



# UNIFILO<sup>®</sup>

## For Corrugated Sheets And Truck Panels

### PRODUCT DESCRIPTION

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



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### PRODUCT REFERENCE

Example : U101 450 -100

- U : Continuous strand mat (Unifilo<sup>®</sup>)
- 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<sup>®</sup> mats ; RTM molding



### 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	45	< 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<sup>®</sup> 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 (cm)	STANDARD WEIGHTS (g/m <sup>2</sup> )	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)
100	150	52	350	52
	250	52	260	65
	300	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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