



Uniconform®

600, 750, 900, 1000, 1200, 1800, 2400g/m

PRODUCT DESCRIPTION

Uniconform® is made of E-glass continuous strands of random orientation without any binder or any stitching yarn. It is a soft product with a high stretch ability designed for injection moulding, infusion or wet compression. The continuous strands have a sizing with a coupling agent that makes Uniconform® compatible with Unsaturated Polyester, Vinylester and Epoxy resins.

PRODUCT REFERENCE

Example : UM 600 -125
UM : Uniconform®
600 : Nominal weight per unit area (g/m²)
125 : Roll width (cm)



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FEATURES AND PRODUCT BENEFITS

- Very good adaptability to moulds of complex shapes
- Soft product easy to handle
- 100% glass fibres, no binder and no synthetic strand
- High translucency in pure thermoset resins
- Good surface appearance behind gel coat
- Optimum resistance to high temperature – no shrinkage due to reinforcement
- Good surface appearance behind gel coat
- High Z permeability and wet out

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TECHNICAL CHARACTERISTICS (nominal values)

Reference	Surface weight (g/m ²)	Basic size	Solubility in styrene	Linear weight of basic strands (tex)	Moisture content (%)
				ISO 1889	ISO 3344
UM 600	600	Silane	Medium	25	<0.15
UM 750	750	Silane	Medium	25	<0.15
UM 900	900	Silane	Medium	25	<0.15
UM 1000	1000	Silane	Medium	25	<0.15
UM 1200	1200	Silane	Medium	25	<0.15
UM 1800	1800	Silane	Medium	25	<0.15
UM 2400	2400	Silane	Medium	25	<0.15

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.

PRODUCTS AVAILABILITY (standard ref.)

Roll width (cm)	Standard weights (g/m ²)	Approximate dimensions of full roll		
		Diameter (cm)	Nominal length (m)	Nominal weight (kg)
125 / 250	600	40	40	22.5 / 45
	750	40	35	28 / 56
	900	40	30	28 / 56
	1000	40	25	30 / 60
	1200	40	20	30 / 60
	1800	40	16	30 / 60
	2400	40	12	30 / 60

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PACKAGING (Standard ref.)

- 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:
 - For rolls with a width 125 cm, a standard pallet is used (vertical rolls)
 - For rolls with a width 250 cm, a wooden crate is used (horizontal rolls).
- Pallet protection:
 - Standard pallet = shrink-wrapped (cardboard base and cover)
 - Wooden crate = each roll packaged in a polyethylene bag.

Roll width H (cm)	Number of rolls per pallet	Pallet dimensions length x width x height	Pallet net weight (kg)
125	9	114 x 114 (H + 15)	250
250	9	Wooden crate	520

LABELLING

- 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 with no humidity and heat.

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

If the product is stored at lower temperature (below 15°C), we recommend to condition it inside the workshop for at least 24 hours prior using, to prevent condensation.

On site stacking of pallets is possible on (1/1) only. Please use a plywood plank between the two pallets to avoid damage the lower pallet.



OCV™ Reinforcements

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