



Multiconform®

For RTM, Light RTM, Infusion or Wet Compression

PRODUCT DESCRIPTION

Multiconform® mat is made of Advantex® glass continuous strands of random orientation without any binder or any stitching yarn and combined with a polypropylene core. 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: UM5P 780 -125 (180)

UM5P: Multiconform®

780: nominal weight per unit area (g/m²)

125: roll width (cm)

180: PP nominal weight



PRODUCT APPLICATION

The continuous strands have a sizing with a coupling agent that makes Multiconform® mat compatible with Unsaturated Polyester, Vinylester and Epoxy resins. It is a soft product with a high stretchability designed for RTM and light RTM, infusion or wet compression.

© Corentin Mossière (FR)

FEATURES AND PRODUCT BENEFITS

- Continuous glass fibers + PP, no binder nor stitching yarn
- High permeability and wet out
- Soft product easy to handle
- Good mechanical properties and isotropy
- Very good surface appearance behind gel coat
- Very good adaptability to molds of complex shapes
- Uniform glass content on tight radii

VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

Type A: big filaments (coarse strands)

Type B: cluster of glass fiber

Type C: water spots

Type D: dirt and foreign matters (diameter from 5 to 30 mm)

Type E: hole

Maximum number of defects allowed: each area of 100 lm of a roll of Multiconform® mat may contain at most 5 of the above listed defects.

Multiconform®

For RTM, Light RTM, Infusion or Wet Compression

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

REFERENCE	SURFACE WEIGHT (g/m ²)	BASIC SIZE	SOLUBILITY IN STYRENE	MOISTURE CONTENT (%)
				ISO 3344
UM 300/PP180/300	780	Silane	Medium	<0.15
UM 300/PP250/300	850	Silane	Medium	<0.15
UM 450/PP180/450	1080	Silane	Medium	<0.15
UM 450/PP250/450	1150	Silane	Medium	<0.15
UM 600/PP180/600	1380	Silane	Medium	<0.15
UM 600/PP250/600	1450	Silane	Medium	<0.15
UM 750/PP180/750	1680	Silane	Medium	<0.15
UM 750/PP250/750	1750	Silane	Medium	<0.15
UM 900/PP180/900	1980	Silane	Medium	<0.15
UM 900/PP250/900	2050	Silane	Medium	<0.15

PRODUCTS AVAILABLE

ROLL WIDTH (cm)	STANDARD WEIGHTS (g/m ²)	DIAMETER (cm)
125 / 250	780	55
125 / 250	850	55
125 / 250	1080	55
125 / 250	1150	55
125 / 250	1380	55
125 / 250	1450	55
125 / 250	1680	55
125 / 250	1750	55
125 / 250	1980	55
125 / 250	2050	55

Other widths and weights available on request.

Contact

Uniflo.ocvamericas@owenscorning.com

Uniflo.ocvemea@owenscorning.com

Uniflo.ocvap@owenscorning.com



OWENS CORNING
COMPOSITE MATERIALS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK™
www.owenscorning.com
www.ocvreinforcements.com

EUROPEAN OWENS CORNING
FIBERGLAS, SPRL.
166, CHAUSSÉE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32.2.674.82.11

OWENS CORNING - OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUARTERS
2F OLIVE LVO. MANSION
620 HUA SHAN ROAD
SHANGHAI 200040
CHINA
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.

Pub. No. 10010880-A. Owens Corning reserves the right to modify this document without prior notice. ©2009 Owens Corning.

UNIFILO_Multiconform_ww_03-2009_Rev2

PACKAGING

- Each roll of Multiconform® mat is wound onto a cardboard tube of 0.7 kg/m and internal diameter 103 mm, then individually wrapped with a transparent stretch 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)
- Protection type:
 - Standard pallet = cardboard base and cover, fully wrapped in stretch film
 - 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	4	114x114x(H+15)	250
250	4	Wooden crate	520

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

Multiconform® 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.

Static stacking of the pallets is possible one plus one, but it is not recommended.