

Uniconform®



The New Reinforcement for Closed Moulds Applications

Now manufactured in Advantex® anticorrosion glass

Characteristics

- > **Continuous filament mat binder free**
- > **Soft product easy to shape**
- > **High Mechanical Properties (100% glass)**
- > **Good Surface appearance of molded parts**
- > **High Translucency with non-filled resins**
- > **Thermal Resistance (100% glass)**
- > **Water proof of molded parts (no stitching points)**



OCV[™] Reinforcements

Best solution for all closed mold technologies

Infusion: thanks to its high transversal permeability, Uniconform[®] can be impregnated through a high number of layers allowing to mould thick parts.

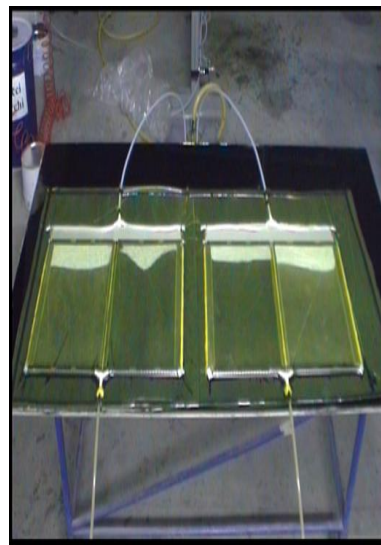


RTM: Uniconform[®] is suitable for low to medium complexity shapes and it allows to reach high glass content (up to 55%).

Uniconform[®] provides good surface appearance when used in combination with appropriate gel-coats.



Light-RTM: with Uniconform[®] is easy to prepare the mold due to its good conformability. Uniconform[®] provides high resin flow thanks to its permeability, reducing injection time.





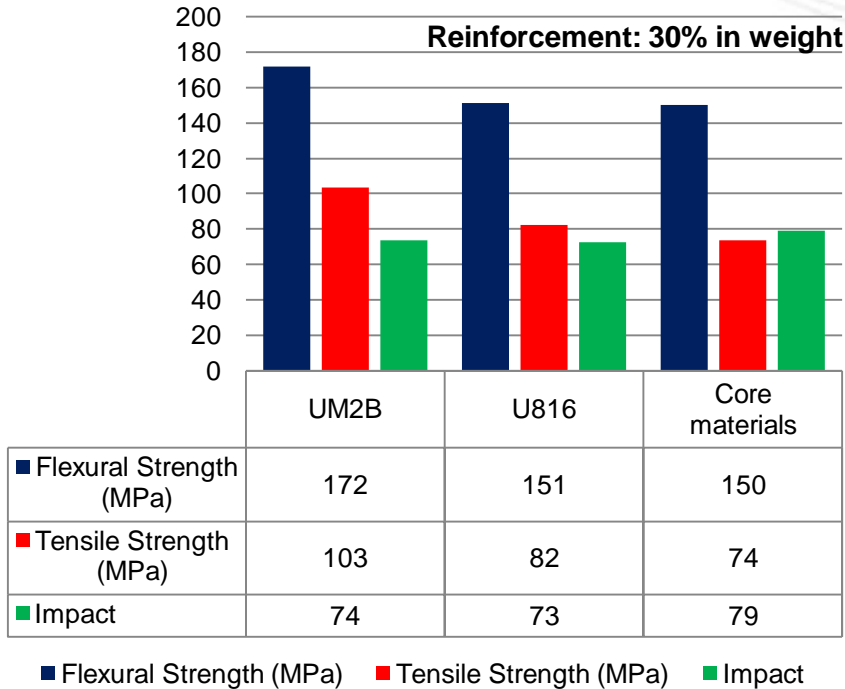
Product	Product characteristics	Performance
UM2A	Surface Weight: from 300 to 2400 gsm. Rolls Width: 125 or 250 cm.	Conformable material, good translucency and thermal resistance. Medium surface aspect due to needle pattern. Low Loose fibers.
UM2B	Surface Weight: from 300 to 900 gsm. Rolls Width: 125 or 250cm.	Conformable material, good translucency and thermal resistance. Good surface aspect . High Loose fibers.
UM5B	Surface Weight: from 300 to 2400 gsm. Rolls Width: 125 or 250cm.	Conformable material and high thermal resistance, medium translucency. Good surface aspect. High Loose fibers. Improved Resin Flow vs. UM2A/B.

Product	All Uniconform [®] products are available in the following presentations: Surface Weight: from 300 to 2400 gsm. Rolls Width: 125 or 250 cm.						
	Conformability	Handling	Permeability (Resin Flow)	MP's	Translucency	Thermal resistance	Aesthetic
UM2A	2	3	3	4	5	5	3
UM2B	2	2	4	4	5	5	5
UM5B	3	2	5	4	4	5	5
Core-Materials	4	4	5	3	2	1	3

	g/m ²	Mould Thickness				
		1mm	2mm	3mm	4mm	5mm
		% Glass	% Glass	% Glass	% Glass	% Glass
UM450	450	33				
UM600	600	41	24			
UM750	750	49	28	20		
UM900	900		33	24		
UM1200	1200			30	24	19
UM1500	1500			36	28	24
UM1800	1800			41	33	28



Mechanical properties



Contacts

www.owenscorning.com/composites

CONTACTS FOR EUROPE/MIDDLE EAST/AFRICA

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

OCV FABRICS BELGIUM BVBA
 DRUKKERIJSTRAAT 9
 B-9240 ZELE – BELGIUM
 +32.52 45 76 11

ChoppedStrandMats.ocvemea@owenscorning.com
MultiEndRovings.ocvemea@owenscorning.com
Unifilo.ocvemea.ocvemea@owenscorning.com
sales.eu.ocvtf@owenscorning.com
nonwovensinfo@owenscorning.com



INNOVATIONS FOR LIVING™

OWENS CORNING COMPOSITE MATERIALS, LLC
 ONE OWENS CORNING PARKWAY
 TOLEDO, OHIO USA 43659

I-800-GET PINK™
www.owenscorning.com

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. Owens Corning reserves the right to modify this document without prior notice.