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ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS



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Compocel® ALP

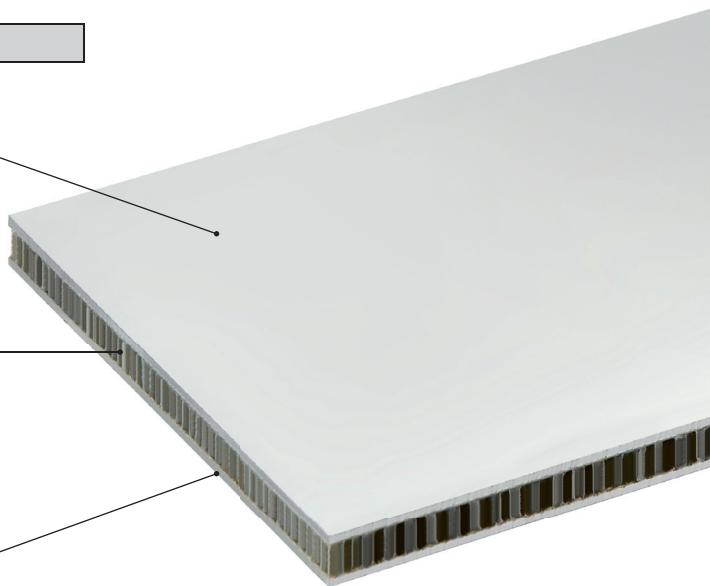
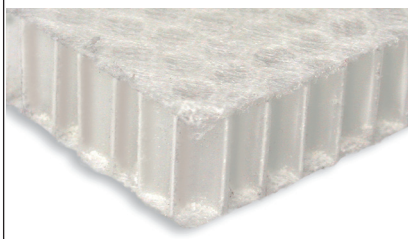
Panel's composition

ALUMINIUM SKINS

Thickness mm: 0,5 - 0,8 - 1 (standard)

CORE

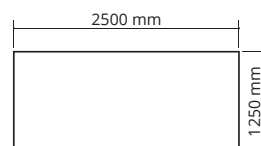
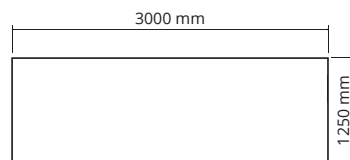
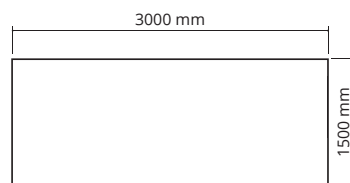
Polypropylene honeycomb



On request: • other thicknesses,
• special alloys, treatments and pre paint with ral colors

EXAMPLE	Panel's weight Ø8 80kg/m³				
	• Thickness' tolerance ± 0,3 mm • Dimension's tolerance ± 30 mm				
	Total thickness mm	10	15	20	25
	SKINS' thickness mm	1 + 1			
	CORE'S thickness mm	8	13	18	23
	Weight kg/m²	6,8	7,3	7,7	8,1

Standard dimensions Dimension tolerance ±30mm



Characteristics of the polypropylene honeycomb

Honeycomb core's properties			
Type	8.80	T30*	T30F75**
Cell size mm	8		
Colour	white		
Density kg/m³	80¹		
Compressive strength MPa	1,50	1,60	1,60
Compressive modulus MPa	70		
Shear strength MPa	-	0,50	0,50
Shear modulus MPa	-	12	13
Effective temperature range °C	from -30 to +80		
Maximum width mm	1400	1500	1500
Minimum width mm	100²		
Maximum length mm	2950²	-	-
Width tolerance mm	+/- 4		
Tolerance length mm	+/- 4		
CORE'S thickness mm	7 - 100	7 - 65	6 - 65

* T30: - thermowelded foil 30gr/m³ for adhesion.

** T30F75: thermo-welded tissue for wet lay-up.

¹ Density referred to the block dimension

² on request

- Other dimensions, core heights and types upon request.

- Minimum order quantity for each type: 10 pallets.

PROCESSING METHODS



Cutting
to size



Milling



Drilling



Joining



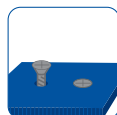
Cut to
shape



Panel
folding



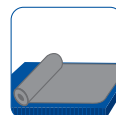
Panel
edgings



Inserts



Painting



Veneering



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Sandwich Panel Compocel® ALP

Last Revised: 02/24_Rev.5