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P.IVA 04102600378 CCIAA BO 0339628
ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS

ENG

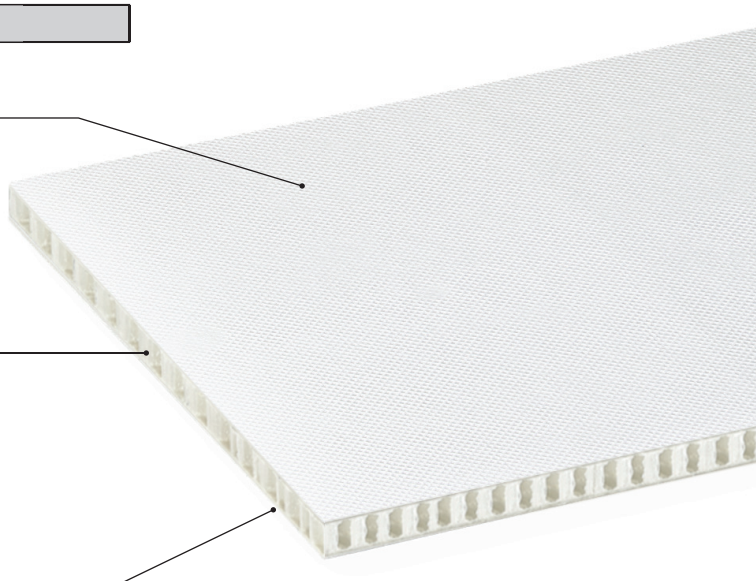
CLEARSTEP

Panel's composition

SKINS IN GLASSFIBRE FABRIC
Impregnated with epoxy resin 680g/m²

CORE
Polypropylene honeycomb





Technical data sheet for standard panels (dimensions, materials and special finishes on request)									
TECHNICAL CHARACTERISTICS OF PANEL	Panel thickness		mm	from 6,4 to 30,4					
	Panel size		mm	Standard dimensions 2000x3000 other dimensions on request					
	Thickness tolerance		mm	±0,4					
	Dimension tolerance		mm	± 30					
	Skins thickness		mm	0,7					
	Skin			Glassfibre fabric					
	Honeycomb type			Polypropylene					
	Honeycomb diameter		Ø =mm	8					
	Honeycomb thickness		mm	from 5 to 30					
	Honeycomb density		Kg/m³	80					
	Adhesive			Transparent Epoxy Resin					
PANEL PHISIC AND MECHANIC PERFORMANCES	Panel Thickness (some examples)		mm	5	10	15	20	25	30
	Panel weight		Kg/m²	2,4	2,7	3,1	3,5	3,9	4,3
	Compressive stabilised strength	ASTM C 365-365 M	Mpa	1,75					
	Core shear modulus		Mpa	12,3					
	Maximum load	ASTM C 393 †	N	90±10	200±10	320±10	430±10	540±10	650±10
	Deflection at maximum load	ASTM C 393 †	mm	38±2	20±2	14±2	11±2	9±2	8±2
	Skins E Elastic Modulus**		Mpa	12000±2000					
	Moment of inertia **		mm⁴/m	6528	30328	71628	130428	206728	300528
	Middle resistance to peeling **	ASTM D1781-98 (2012)		>450 N/76 mm or >50 Nmm/mm					
	Maximum service temperature **		°C	- 40/ + 60					

** Tested by Internal Laboratory
† Sample dimension with 4 support points (L,W) 540 mm x 50 mm

Sandwich Panel CLEARSTEP

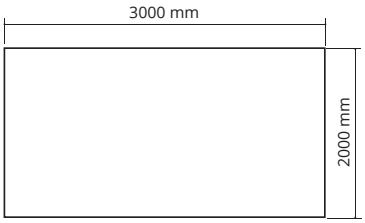
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Standard dimensions (other dimensions available on request) - Dimension tolerance ±30mm



Sandwich Panel CLEARSTEP

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