



PANELS MADE OF ALUMINIUM HONEYCOMB WITH FIBERGLASS FINISH

TECHNICAL DETAILS		
Aluminium alloy and temper	8006 H19	
Aluminium thickness	70.00 μ	
Cell dimension	6.35 mm	
Honeycomb density	80 kg/m ³	
Fiberglass skin	500 gr/m ²	
Skin thickness	0.4 mm	
Panel dimension	2500 x 1250 mm tolerance \pm 0.2 mm	
Panel thickness	10 mm	
Average weight	4.89 kg/m ²	
Flexural modulus	ASTMD 790: 6385 MPa	
Resistance to temperature changes	UNI EN ISO 9142/04: 21 cycles without defects	
Fire reaction	DM 26.06.1984 UNI 9176/87	class 1
Resistance to flame	CSE RF 2/75/A	category 1
Radiant panel	CSE RF 3/77	category 1
Compressive strength	ASTM E 365	29.67 KN
Compressive modulus	ASTM D 790	76.5 MPa
Peeling strength	ASTM D 1781	370.99 N
Resistance to atmospheric conditions	ASTM G 26/83. The evaluation scale per the below properties goes from 0 for "excellent" to 5 for "poor": <ul style="list-style-type: none"> ➤ Swelling (ISO 4628 2): 0 ➤ Scale breakages (ISO 4628 5): 0 ➤ Micro breakages (ISO 4625 4): 0 ➤ Chalking (ISO 4628 6): 0 	
Water vapour diffusion resistance factor μ	EN 12086: 24 mg/h. m ²	
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