

<b>Panel Thickness</b>	<b>1.2</b>	<b>2.0</b>	<b>mm</b>
Aluminium Skin Sheets	0.2	0.2	mm
Alloy (EN 485-2)	EN AW-5182 (AlMg4,5Mn0,4)		
Hardness of Skin Sheets	hard	hard	
	full hard (H18)		
<b>Core Material</b>	<b>Polypropylene PP</b>		
Panel Weight	1.8	2.5	kg/m <sup>2</sup>
Thickness Tolerance (EN 485-4)	+/- 0.09	+/- 0.12	mm
<b>Mechanical Properties</b>			
Modulus of Elasticity	70.000		N/mm <sup>2</sup>
Yield Strength	≥ 320	≥ 320	N/mm <sup>2</sup>
Tensile Strength	≥ 380	≥ 380	N/mm <sup>2</sup>
Section Modulus	0.2	0.36	cm <sup>3</sup> /m
Rigidity (incl. transversal contraction)	80	230	kNcm <sup>2</sup> /m
Ultimate Elongation	4	4	%
<b>Thermal Properties</b>			
Service Temperature	- 30 to + 120		°C
Temporary Temperature (up to 30 minutes)	+ 150		°C
	adequate to powder or immersion coating		
Flash Point of Core (DIN 54 836)	300		°C
Thermal Expansion Coefficient	24 x 10 <sup>-6</sup>		1/K
Thermal Resistance (EN ISO 6946)	0.0036	0.0073	m <sup>2</sup> K/W
<b>Acoustical Properties</b>	anti-noise compound, better structure-borne noise properties in comparison with solid metal sheets		
<b>Electrical Properties</b>			
Current Flow Resistance of Core (DIN 53 482)	> 10 <sup>16</sup>		Ωcm
Breakdown Voltage of Core (DIN 53 481, DIN VDE 0303 T21E)	> 35 ... 40		kV/mm
<b>Delivery Conditions</b>			
Panel Sizes (standard)	1540 x 3000		mm
Width Tolerance (EN 485-4)	0 / + 4		mm
Length Tolerance (EN 485-4)	0 / + 6		mm
Surface (standard)	mill finish		
Lacquer (optional)	clear coat		
Protection (optional)	self-adhesive PE foil		