



Used for signage and boards

## TECHNICAL DATA

<b>Panel thickness:</b>		<b>Standard</b>	<b>3mm</b>
Thickness of aluminium layers	[mm]		0.30
Weight	[kg/m <sup>2</sup> ]		3.80
<b>Technical Properties:</b>			
Section Modulus	W	[cm <sup>3</sup> /m]	DIN 53293 0.81
Rigidity	E-I	[kNcm <sup>2</sup> /m]	DIN 53293 865
Alloy of aluminium layer			EN 573-3 EN AW-5005 (AlMg1)
Temper			EN 515 H44
Modulus of Elasticity		[N/mm <sup>2</sup> ]	EN 1999 1-1 70'000
Tensile Strength of Aluminium		[N/mm <sup>2</sup> ]	EN 485-2 Rm: 145 -185
Proof Stress (0.2)		[N/mm <sup>2</sup> ]	EN 485-2 Rp 0.2: 110 - 175
Elongation		%	EN 485-2 A50 ≥ 3
Linear Thermal Expansion			EN 1999 1-1 2.4mm/m at 100°C temperature difference
<b>Core :</b>			
Polyethylene, Typ LDPE		[g/cm <sup>3</sup> ]	0.92
<b>Composition</b>			Advanced durability
<b>Surface :</b>			
Laquering			Coil Coating Mod. Polyester-System
Gloss (initial value)			EN 13523-2 30 - 35%
Pencil Hardness			EN 13523-4 HB - F
Corrosion and Impact (according to clauses 5.3.5 and 5.3.7)			EN 12899-1 passed
Range of Application		[°C]	-50...+80

### Comparison of thickness and weight at equal flexural stiffness

