

Panel Thickness	Standard	Unit	3mm
Thickness of Aluminium	DIN 1784	mm	0.3
Aluminum thickness deviation	DIN 1784	mm	±0.01
Weight		Kg/m <sup>2</sup>	4.6
Tolerance in length	DIN 16927 / ISO 11833-1	mm	- 0 / +2
Tolerance in width	DIN 16927 / ISO 11833-1	mm	- 0 / +1.5
Tolerance in thickness	DIN 16927 / ISO 11833-1	mm	± 0.10
Horizontal flatness	DIN ISO 1101	mm	4
Longitudinal roughness	DIN ISO 1101	mm	6
<i>Technical Properties</i>			
Section Modulus W	DIN 53293	cm <sup>3</sup> /m	1.75
Rigidity (Poisson's ratio $\mu = 0.3$ ) E.I	DIN 53293	kNm <sup>2</sup> /m	0.28
Alloy	EN 573-3	ENAW	1100
Temper of Cover Sheets	EN 515		H16/H18
Modulus of Elasticity	EN 1999 1-1	N/mm <sup>2</sup>	70,000
Tensile Strength of Aluminium	EN 485-2	N/mm <sup>2</sup>	$R_m \geq 145$
0.2% Proof Stress	EN 485-2	N/mm <sup>2</sup>	$R_{p0.2} \geq 90$
Elongation	EN 485-2	%	$A_{50} \geq 3$
Linear Thermal Expansion	EN 1999 1-1	mm/m/°C	0.020 at 100°C Temp difference
<i>Core</i>			
Polyethylene, Typ LD-PE		g/cm <sup>3</sup>	0.935
<i>Surface</i>			
			Anodize

