Panel Thickness	Standard	Unit	2mm	3mm	4mm	6mm
Thickness of Aluminium	DIN 1784	mm	0.3	0.3	0.3	0.3
Aluminum thickness deviation	DIN 1784	mm	±0.01	±0.01	±0.01	±0.01
Weight		Kg/m^2	2.92	3.85	4.76	6.75
Tolerance in length	DIN 16927 / ISO 11833-1	mm	- 0 / +2	- 0 / +2	- 0 / +2	- 0 / +2
Tolerance in width	DIN 16927 / ISO 11833-1	mm	- 0 / +1.5	- 0 / +1.5	- 0 / +1.5	- 0 / +1.5
Tolerance in thickness	DIN 16927 / ISO 11833-1	mm	± 0.15	± 0.10	± 0.10	± 0.15
Horizontal flatness	DIN ISO 1101	mm	6	5	4	4
Longitudinal roughness	DIN ISO 1101	mm	7	6	6	5
Technical Properties						
Section Modulus W	DIN 53293	cm^3/m	1.01	1.25	1.75	2.75
Rigidity (Poisson's ratio μ = 0.3) E.I	DIN 53293	kNm^2/m	0.67	0.14	0.28	0.63
Alloy	EN 573-3	ENAW	1100			
Temper of Cover Sheets	EN 515		H16/H18			
Modulus of Elasticity	EN 1999 1-1	N/mm^2	70,000			
Tensile Strength of Aluminium	EN 485-2	N/mm^2	$R_m \geq 145$			
0.2% Proof Stress	EN 485-2	N/mm^2	$R_{p0.2} \geq 90$			
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			
Core						
Polyethylene, Typ LD-PE		g/cm^3	1.22			
Surface			Coil Coating			

Lacquering			Polyester			
Thickness of coating		μm	≥26	≥26	≥26	≥26
Warranty for Exterior		Year	**5Years**			
Gloss (initial value)	ECCA T2	%	30 - 80			
Pencil Hardness	ECCA T4		H			
Acoustical Properties						
Sound Absorption Factor $\acute{\alpha}_s$	ISO 354		0.05			
Sound Transmission Loss R_W	ISO 717-1	DB	23	25	26	28
Loss Factor d	EN ISO 6721		0.0062	0.0072	0.0087	0.0138
Thermal Properties						
Thermal Resistance R	DIN 52612	m^2K/W	0.0036	0.0069	0.0103	0.0172
Heat Transition Coefficient U	DIN 4108	W/m^2K	5.98	5.65	5.54	5.34
Temperature Range		^OC	-50…+80			