

PANEL THICKNESS:			2mm	3mm	4mm	6mm
Aluminium layer thickness		mm	0.30			
Panel Weight		[Kg/m²]	2.90	3.80	4.80	6.60
PANEL TOLERANCES						
Panel thickness		mm	±0.2			
Panel width		mm	-0.00 / +4.00			
Panel length		mm	≤ 4000 mm : -0.0 / +4 4001 -6000 mm: -0.0 / +6 6001- 8000 mm: -0.0 / +10			
Diagonal difference		mm	3.00 mm			
TECHNICAL PROPERTIES						
Alloy/Temper of Aluminium cover sheet			EN AW- 3105/H44 or 4116/H44			
Modulus of Elasticity			E	[N/mm²]	70000	
Tensile strength of Al. cover sheets			Rm	[N/mm²]	150-200	
0.2% Proof stress			Rp0.2	[N/mm²]	120 min	
Elongation			%	A50≥ 3%		
Linear Thermal Expansion			2.4 mm/m for Temperature difference of 100° C			
CORE:						
Density of Polyethylene, Type LDPE			[g/cm3]	0.92		
SURFACE PREPARATION and PAINT CHARACTERISTICS						
Visible Surface Preparation:			Pre-treatment of Aluminium : 1st Degreasing 2nd Passivation			
Lacquering			Coil Coating			
Upper Surface/ Lower Surface			Polyester/Modified Polyester suitable for digital printing - System			
• Gloss			Semi gloss Target 35 % , Tolerances according to EN 1396			
• Pencil Hardness			High gloss Target >80% Tolerances according to EN 1396			
• Paint Thickness			Min H Target 22 µm, Tolerances according to EN 1396			
TEMPERATURE BEHAVIOUR						
Operational temperature range			From -50° C to +80° C			
SURFACE QUALITY						
Dents, marks, hits, grooves, stains etc.			Acceptable when not visible at a distance ≥50 cm at an angle of 90°			
SURFACE BURNING CHARACTERISTICS						
COUNTRY:			Test According to		Classification	
Germany			DIN 4102-1		B2, etalbond light, 2, 3 mm	
France			NFP 92-501		M1	
UK			BS 476, Part6 BS 476, Part7		Index 0 Class 1 ► Meets the requirements according to Class 0 of the National Building Regulations	
PROTECTIVE FILM						
Transparent unprinted and black/white printed with special adhesive suitable for digital printing. No UV protection for transparent			An area of 5 mm max, from each edge might be without protective film			

