etalbond-d3®
Composite material

Technical Data Sheet

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- 1085 (Al 99.85%) H18			
Tensile strength of Al. cover sheets	**Rm**	[N/mm²]	140 min			
0.2% Proof stress	**$Rp_{0.2}$**	[N/mm²]	120 min			
Elongation	%		$A_{50} \geq$ 1%			
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 Electrolytically brightened anodized			
TEMPERATURE BEHAVIOUR						
Operational temperature range			From -20° C to +80° C			
SURFACE QUALITY						
Dents, marks, hits, grooves, stains etc.			Acceptable when not visible at a distance ≥200 cm at an angle of 90°			
Abnormality in reflected image			Any abnormality observed at a reflected image cannot be considered as a defect, due to the nature of the product.			

SURFACE BURNING CHARACTERISTICS

COUNTRY:	Test According to	Classification
Germany	DIN 4102-1	B2, 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

**Material before use should be stored inside away from direct sunlight.
***It is advisable to remove the protective film within 6 months after goods receipt. Beyond this period, there is a possibility that the protective film might leave remnants of adhesive on the surface

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