

PANEL Thickness	mm	3	4	6
1. PANEL DIMENSIONS				
1.1 Aluminium layer thickness	mm	0,5		
1.2 Etalbond Weight	Kg/m ²	4.6	5.5	7.4
1.3 Standard width	mm	1250, 1500		
1.4 Standard length	mm	3200		
2. DIMENSIONAL TOLERANCES				
2.1 Panel thickness	mm	± 0.2		
2.2 Panel width	mm	-0.00 / +4.00		
2.3 Panel length	mm	≤ 4000 mm : -0.0 / +4 4001 -6000 mm: -0.0 / +6 6001- 8000 mm: -0.0 / +10		
2.4 Diagonal difference	mm	3 mm		
3. TECHNICAL PROPERTIES				
3.1 Section Modulus (W)	cm ³ /m	1.05	1.54	2.53
3.2 Rigidity (ExJ _{eff, calc})	Nm ² /m	111	206	531
3.3 Alloy		EN AW- 3105		
3.4 Temper of Aluminium sheets		H44 (Painted)		
3.5 Modulus of Elasticity (E)	N /mm ²	70000		
3.6 Tensile strength (Rm)	N/mm ²	≥150		
3.7 Yield strength (Rp0.2)	N/ mm ²	≥120		
3.8 Elongation (A ₅₀)	%	≥3%		
3.9 Linear Thermal Expansion		2.4 mm/m for temperature difference of 100°C		
4. CORE				
4.1 Density of Polyethylene, Type LDPE	g/cm ³	0.92		
5. SURFACE PREPARATION and PAINT CHARACTERISTICS				
5.1 Surface Preparation	With chemical preparation (Degreasing, Chrome Free Passivation)			
5.2 Lacquering	Coil Coating			
5.3 Visible Surface	<ul style="list-style-type: none"> • PVDF-3: 33 µm (depending on Colour shade), Tolerances according to EN 1396 • PVDF-2: Target 30 µm, Tolerances according to EN 1396 • VHDPE: Target 25 µm, Tolerances according to EN 1396 			
6. TEMPERATURE BEHAVIOUR				
6.1 Excellent behaviour in temperatures	From -20°C to +80°C			
SURFACE QUALITY				
Dents, marks, hits, grooves, stains etc.	Acceptable when not visible at a distance ≥2 m at an angle of 90°			
7. SURFACE BURNING CHARACTERISTICS				
COUNTRY:	Test according to..	Classification		
7.0 Europe	EN 13501-1	Class E		
7.1 Germany	DIN 4102	B2		
7.2 France	NFP 92-501	Class M1		
7.3 Italy	CSE RF 2/75/A, RF 3/77	Class 1		
7.4 Switzerland	VKF regulation	Class 4.2		
8. PRODUCT CERTIFICATIONS				
COUNTRY	Authority	Approval		
8.1 European Union	CSIC	European Technical Assessment, ETA 14/0145 of 30/12/2016 Certificate of conformity of factory production Control 1219-CPR-0082		
8.2 France	CSTB	Avis Technique 2/14-1626*V2, etalbond-PE/FR/A2 Riveté Avis Technique 2/14-1644*V2, etalbond-PE/FR/A2 Cassettes		
8.3 Germany	DIBT	Zulassungsgegenstand: Etalbond Fassadensystem No. Z-10.3-742		
8.4 Switzerland	VKF	VKF-AEAI Attestation of Utilisation No. 17104		
8.5 Poland	ITB	National Technical Assessment, ITB-KOT-2017/0065 ISSUE 1 National Certificate of Constancy of Performance No. 020-UWB-2479/W		
8.6 Slovak Republic	TSUS	SK Technical Assessment, SK-TP-13/0009k		