

TECHNICAL DATA SHEET

	standards	units			
PANEL Thickness		mm	3	4	6
1. PANEL DIMENSIONS					
1.1 Aluminium layer thickness		mm		0.5	
1.2 Etalbond Weight		Kg/m ²	5.8	7.4	10.5
1.3 Max. Standard width		mm		1250, 1500	
1.4 Standard length		mm		3200	
2. PANEL 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		3.00 mm	
3. TECHNICAL PROPERTIES					
3.1 Section modulus (W)	Din 53293	cm ³ /m	1.05	1.54	2.53
3.2 Rigidity (Ex _{Jeff, calc})	Din 53293	Nm ² / m	111	206	531
3.3 Alloy	EN 573-3			EN AW- 3105	
3.4 Temper of Aluminium sheets	EN 1396			H44 (Painted)	
3.5 Modulus of Elasticity (E)	EN 1999 1-1	N /mm ²		70000	
3.6 Tensile strength (Rm)	EN 1396	N/mm ²		≥150	
3.7 Yield strength (Rp0.2)	EN 1396	N/ mm ²		≥120	
3.8 Elongation (A ₅₀)	EN 1396	%		≥3%	
3.9 Linear Thermal Expansion	EN 1999 1-1			2.4 mm/m for temperature difference of 100 °C	
4. CORE					
4.1 Mineral filled polymer					
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"> • FEVE- 3/ PVDF-3: 33 µm (Depending on colour shade), Tolerances according to EN 1396 • PVDF-2/ FEVE-2 : Target 30 µm, Tolerances according to EN 1396 • VHDPE : Target 25 µm, Tolerances according to EN 1396 			
5.4 Back Surface		Protective Primer			
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 Report acc. to	Classification		
7.1 European Union		EN 13501-1	Euroclassification B- s1,d0		
7.2 Austria		Onorm B-3800-5	Passed		
7.3 Switzerland		VKF fire regulations	Class 5.3		
7.4 Germany		Din 4102 -1	Class B1		
7.5 France		NF P 92-501	M1		
7.6 Poland		PN-90/ B-02867	Passed		
7.7 Hungary		MSZ 14800-6:2009	Passed		
7.8 USA		ASTM E-84 NFPA 285 ASTM D1929	Class A Passed Self-ignition and flash ignition 470 °C		
7.9 UK		BS 476 Parts 6 and 7	Classe 0 (Combined report)		
8. Approvals					
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 Ubereinstimmungszertifikat Nr. BWU03-0402		
8.4 Switzerland		VKF	VKF Brandschutzanwendung Nr. 26641 Attestation d'utilisation AEAI No. 26641		
8.5 Poland		ITB	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		