

TECHNICAL DATA SHEET

	standards	units		
PANEL Thickness		mm	4	6
1. PANEL DIMENSIONS				
1.1 Aluminium layer thickness		mm	0.5	
1.2 Etalbond Weight		Kg/m ²	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	1.54	2.53
3.2 Rigidity (Ex _{Jeff, calc})	Din 53293	Nm ² / m	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		- 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	ÖNORM 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 Lepir 2	M1 Passed		
7.6 Poland	PN-90/ B-02867	Passed		
7.7 Hungary	MSZ 14800-6:2009	Passed		
7.8 USA	ASTM E-84 NFPA 285	Class A Passed		
7.9 UK	BS 8414	Passed according to BR 135 criteria		
7.10 Ukraine	ГОСТ, 30244-94 ГОСТ, 30402-96 ГОСТ, 12.1.044-89 п.4.18	Brandklassifizierung G1 Flash-Klassifizierung B2 Δ2		
7.11 Malaysia	BS 8414	Passed according to SIRIM FPST/DOC/14-1 criteria		
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		
8.7 UK	BBA	Agrément Certificate 07/4464		
8.8 Czech Republic	ZUS	Technical Approval 060-049586 Decision of Revalidation 060-049586		
8.9 Spain	ITeC	Documento de adecuación al uso 20/119 A: Sistemas etalbond® SZ20, etalbond® ECI		