

**TECHNICAL DATA SHEET**

	standards	units			
<b>PANEL Thickness</b>		mm	3	4	6
<b>1. PANEL DIMENSIONS</b>					
1.1 Aluminium layer thickness		mm		0.5	
1.2 Etalbond Weight		Kg/m <sup>2</sup>	5.8	7.4	10.5
1.3 Max. Standard width		mm		1250, 1500	
1.4 Standard length		mm		3200	
<b>2. PANEL TOLERANCES</b>					
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	
<b>3. TECHNICAL PROPERTIES</b>					
3.1 Section modulus (W)	Din 53293	cm <sup>3</sup> /m	1.05	1.54	2.53
3.2 Rigidity (Ex <sub>eff, catc</sub> )	Din 53293	Nm <sup>2</sup> / 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 <sup>2</sup>		70000	
3.6 Tensile strength (Rm)	EN 1396	N/mm <sup>2</sup>		≥150	
3.7 Yield strength (Rp0.2)	EN 1396	N/ mm <sup>2</sup>		≥120	
3.8 Elongation (A <sub>50</sub> )	EN 1396	%		≥3%	
3.9 Linear Thermal Expansion	EN 1999 1-1			2.4 mm/m for temperature difference of 100 °C	
<b>4. CORE</b>					
4.1 Mineral filled polymer					
<b>5. SURFACE PREPARATION and PAINT CHARACTERISTICS</b>					
5.1 Surface Preparation		With chemical preparation (Degreasing, Passivation)			
5.2 Lacquering		Coil Coating			
5.3 Visible Surface		<ul style="list-style-type: none"> <li>• PVDF-3: 32 µm (Depending on colour shade), Tolerances according to EN 1396</li> <li>• PVDF-2: Target 30 µm, Tolerances according to EN 1396</li> <li>• VHDPE : Target 25 µm, Tolerances according to EN 1396</li> </ul>			
5.4 Back Surface		Protective Primer			
<b>6. TEMPERATURE BEHAVIOUR</b>					
6.1 Excellent behaviour in temperatures		From -20 °C to +80 °C			
<b>SURFACE QUALITY</b>					
Dents, marks, hits, grooves, stains etc.		Acceptable when not visible at a distance ≥2 m at an angle of 90 °			
<b>7. SURFACE BURNING CHARACTERISTICS</b>					
<b>COUNTRY</b>		<b>Test Report acc. to</b>	<b>Classification</b>		
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	Class A Passed		
<b>8. Approvals</b>					
<b>COUNTRY</b>		<b>Authority</b>	<b>Approval</b>		
8.1 European Union		CSIC	European Technical Assessment, ETA 14/0145		
8.2 France		CSTB	Avis Technique 2/14-1626*V1, etalbond-PE/FR Riveté QB Certificat #116-120 Avis Technique 2/14-1644*V1, etalbond-PE/FR Cassettes CSTB Certificat #116-124		
8.3 Germany		DIBT	Zulassungsgegenstand: Etalbond Fassadensystem No. Z-33.2-939		
8.4 Switzerland		VKF	VKF Brandschutzanwendung Nr. 26641 Attestation d'utilisation AEAI No. 26641		
8.5 Poland		ITB	Aprobata Techniczna AT-15-6556/2011, ANEKS Nr 1 DO APROBATY TECHNICZNEJ ITB AT-15-656/2011		
8.6 Slovak Republic		TSUS	SK Technical Assessment, SK-TP-13/0009k		