

**TECHNICAL DATA SHEET**

	standards	units	3	4	6
<b>PANEL Thickness</b>		mm	3	4	6
<b>1. PANEL DIMENSIONS</b>					
1.1 Aluminium layer thickness		mm	0.5	0,5	0,5
1.2 Etalbond Weight		Kg/m <sup>2</sup>	6.2	7.9	11.4
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	1.25	1.75	2.75
3.2 Rigidity (ExJ)theoretical	Din 53293	kNcm <sup>2</sup> / m	1250	2400	5900
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, Chromatisation)			
5.2 Lacquering		Coil Coating			
5.3 Visible Surface		<ul style="list-style-type: none"> <li>● PVDF-3 Paint thickness: Target 32 µm, Tolerances according to EN 1396</li> <li>● PVDF-2 Paint thickness: Target 30 µm, Tolerances according to EN 1396</li> <li>● VHDPE Paint thickness: 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 -50° 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 according to..</b>	<b>Classification</b>		
7.1 European Union		EN 13501-1	Euroclassification B, s1,d0		
7.2 Austria		Onorm B-3800-5 (Large scale fire test)	Cleared		
7.3 Switzerland		VKF fire regulations	Class 5.3		
7.4 Germany		Din 4102 -1	Class B1 (for Building material)		
7.5 France		NF P 92-501	M1		
7.6 Poland		PN-90/ B-02867	Cleared		
7.7 Abu Dhabi		ASTM E-84	Class A		
7.8 USA		ASTM E-84	Class A		
<b>8. Approvals</b>					
<b>COUNTRY:</b>		<b>Authority</b>	<b>Approval</b>		
8.1 Switzerland		VKF	VKF Brandschutzanwendung		
8.2 Czech Republic		ZUS	Product Certificate		
8.3 Poland		ITB	Aprobata Techniczna		
8.4 Slovak Republic		TSUS	SK Technical Assessment		