

**TECHNICAL DATA SHEET**

	standards	units			
<b>PANEL Thickness</b>		mm	4		
<b>1. PANEL DIMENSIONS</b>					
1.1 Aluminium layer thickness		mm	0,5		
1.2 Etalbond Weight		Kg/m <sup>2</sup>	7.1		
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 Jeff.,calc)		Nm <sup>2</sup> /m	111	206	531
3.3 Alloy	EN 573-3		EN AW- 3105		
3.4 Temper of Aluminium sheets	EN 515/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	mm/m	2.4 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 -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 Report acc. to</b>	<b>Classification</b>		
7.1 European Union		EN 13501-1	A2- s1,d0		
7.2 Austria		ONORM B3800-5	Pass		
7.3 France		NF P 92-501 NF EN ISO 1716	Mo		
7.4 Switzerland		VKF	6q .3		

