

	standards	units	
PANEL Thickness		mm	4
1. PANEL DIMENSIONS			
1.1 Aluminium layer thickness		mm	0,5
1.2 Etalbond Weight		Kg/m ²	7.4 ± 0.3
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
3.2 Rigidity (Ex J _{eff.calc})		Nm ² /m	206
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 ²	70000
3.6 Tensile strength (R _m)	EN 1396	N/mm ²	≥150
3.7 Yield strength (R _{p0.2})	EN 1396	N/ mm ²	≥120
3.8 Elongation (A ₅₀)	EN 1396	%	≥3%
3.9 Linear Thermal Expansion	EN 1999 1-1	mm/m	2.4 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, Passivation)	
5.2 Lacquering		Coil Coating	
5.3 Visible Surface		<ul style="list-style-type: none"> ● PVDF-3/FEVE: 33 µm, tolerances according to EN 1396, complies with AAMA 2605 ● PVDF-2/FEVE: 30 µm, tolerances according to EN 1396, complies with AAMA 2605 ● VHDPE: 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. FIRE CLASSIFICATIONS			
COUNTRY		Test Report acc. to	Classification
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 Poland		PN-90/B-02867:1990+AZ1:2001	Pass
7.5 Switzerland		VKF	6q .3
7.6 UK		BS 476 Parts 6 and 7 BS 8414-2 (SZ-20 system: BML 120)	Class 0 (Combined report) Meets the criteria of BR135
7.7 UAE		BS8414-1 (cassette system) BS8414-2 (riveted system)	Meets the criteria of BR135 Meets the criteria of BR135
7.8 USA		ASTM E84 NFPA 285 (cassette with open joints) NFPA 285 (cassette with closed joints)	Class A Passed Passed
8. APPROVALS			
COUNTRY		Authority	Approval
8.1 Czech Republic		TZUS	Product conformity No. 060-043949
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 Poland		ITB	National Technical Assessment : ITB -KOT-2017/0140 ed. 1
8.4 Romania		Ministry of Regional Development Standing Technical Council for Constructions	Technical Approval 002-04/1308-2016
8.5 Slovak Republic		TSUS	SK Technical Assessment: SK TP-13/0009 -v. 02 of 26/07/2016
8.6 Singapore		TUV	Certificate Of Conformity No. CLS2 17 11 96957 001
8.7 Ukraine		Ukrainian requirements	Technical approval UA1.044.0021361-17
8.8 United Arab Emirates – Dubai		Dubai Civil Defense	License Number: SK75/2018
8.9 United Arab Emirates – Abu Dhabi		General Department of Civil Defense – Abu Dhabi	License number: 20111112239