

TECHNICAL DATA SHEET

	standards	units	value
PANEL Thickness		mm	4
1. PANEL DIMENSIONS			
1.1 Aluminium layer thickness		mm	0,5
1.2 Etalbond Weight		kg/m ²	7.9 ± 0.4
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, Chrome free Passivation)	
5.2 Lacquering		Coil Coating ● 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: 30 µm, tolerances according to EN 1396 ● Anodised	
5.3 Visible Surface			
5.4 Back Surface			
Protective Primer Epoxy or PUPA-PEPA			
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		M ₀
7.4 Poland	PN-90/B-02867:1990+AZ1:2001		Pass
7.5 Switzerland	VKF		RF-1
7.6 UK	BS 8414-2 (SZ-20 system: BML 120)		Meets the criteria of BR135
7.7 UAE	BS8414-1 (cassette system)		Meets the criteria of BR135
	BS8414-2 (riveted system)		Meets the criteria of BR135
7.8 USA	ASTM E84		Class A
	NFPA 285 (cassette with open joints)		Passed
	NFPA 285 (cassette with closed joints)		Passed
7.9 Malaysia	BS8414-1 (cassette system)		Meets the SIRIM criteria FPST/DOC/14-1
7.10 Hungary	MSZ 14800-6:2009		Passed
8. APPROVALS			
COUNTRY	Authority		Approval
8.1 Czech Republic	TZUS		Product conformity No. 060-043949
8.2 France	CSTB		Avis Technique 2.2/14-1626*V3, etalbond-PE/FR/A2 Riveté
			Avis Technique 2.2/14-1644*V3, etalbond-PE/FR/A2 Cassettes
8.3 Germany	DIBT		Allgemeine bauaufsichtliche Zulassung Allgemeine Bauartgenehmigung Z-1.-.3-742
8.4 Poland	ITB		National Technical Assessment : ITB –KOT-2017/0140 ed2
8.5 Spain	ITeC		Documento de adecuación al uso 20/119 A: Sistemas etalbond® SZ20, etalbond® ECI
8.6 Romania	Ministry of Regional Development Standing Technical Council for Constructions		Technical Approval 002-04/1565-2022
8.7 Slovak Republic	TSUS		SK Technical Assessment: SK TP- 13/0009 –v2
8.8 Singapore	TUV		Certificate Of Conformity No. CLS2 17 11 96957 001
8.9 UK	BBA		Agreement Certificate 04/4464
8.10 Ukraine	Ukrainian requirements		Technical approval UA1.044.0021361-17
8.11 United Arab Emirates – Dubai	ESL		COC: 0046-001-01-24-R0
8.12 United Arab Emirates – Abu Dhabi	General Department of Civil Defense–Abu Dhabi		License number: 20111112239

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