



FUTURAL™

TECHNICAL DATA

STANDARD DIMENSIONS

WIDTH	LENGTH	THICKNESS	TOLERANCES STANDARD
1250 / 1500	2500	2mm / 3mm	EN 485-4
1250 / 1500	3200	2mm / 3mm	
1250 / 1500	4000	2mm / 3mm	

*Bespoke sizes are available

MATERIAL DATA

CLASSIFICATION	TEST STANDARD	RESULT		COMMENT
Aluminium Temper	EN573-1	5052H32	3003H24	All Pass Full Compliance to EN1396
0.2% Proof Load	EN485-2	166 Mpa	143 Mpa	
Ultimate Load		215 MPa	174 Mpa	
Elongation		21%	22%	
Hardness		62 HB	50 HB	
Chemical Composition	EN573-3	Pass	Pass	

*EN1396 - Aluminium and aluminium alloys - Coil coated sheet and strip for general applications - Specifications

REACTION TO FIRE

TEST ITEMS	TEST STANDARD	RESULT	CLASS
Fire Rating to EN 13501-1	EN ISO 1716	Pass	A1
	EN 13823	Pass	

CLASSIFICATION

The classification has been carried out in accordance with EN 13501-1.

FIRE BEHAVIOUR		SMOKE PRODUCTION			FLAMING DROPLETS	
A1	-	s	Not applicable	-	d	Not applicable

PVDF COATING DATA

CLASSIFICATION	TEST STANDARD	RESULT	COMMENT
Dry Film Thickness	AAMA2605 & EN1396	30 - 46µm	All Pass Full Compliance to *AAMA2605 & EN1396
T-Bend		0 - 2T	
Specular Gloss		Consistent with approved sample	
Colour Uniformity			
Dry Film Hardness		≥F	
Film Adhesion		5B	
Direct Impact Resistance		No removal of film	
Reverse Impact Resistance		No removal of film	
Abrasion Resistance		80L	
Muriatic Acid Resistance		No blistering and no visual change	
Mortar Resistance		No loss of film adhesion or visual change	
Nitric Acid Resistance		$\Delta E = 0.24$	
Detergent Resistance		No loss of film adhesion or visual change	
Window Cleaner Resistance		No blistering or noticeable change	

*AAMA2605 is Test procedures and performance requirements for superior performing organic coatings applied to aluminium panels

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