



FUTURAL

TECHNICAL DATA SHEET

FUTURAL (UK) LTD

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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, please contact us

FIRE CLASSIFICATION

FIRE RATING		SMOKE PRODUCTION		FLAMING DROPLETS		
A1 to EN 13501-1	-	s	Not applicable	-	d	Not applicable

ALUMINIUM DATA

TEST ITEM	TEST STANDARD	RESULT		COMMENT
Aluminium Temper	EN573-1	5052H32	3003H24	Compliant with 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	

*Bespoke Aluminium Alloys are available, please contact us

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

PVDF COATING DATA

PART 1 -ACCELERATED WEATHERING TEST DATA

TEST ITEM	TEST STANDARD	RESULT	COMMENT
2000hrs UV	EN1396	PASS	Compliant with both EN1396 & AAMA2605
1000hrs Acetic Spray			
4000hrs Humidity	AAMA2605	PASS	
4000hrs Salt Spray			

PART 2- REGULAR TEST DATA

TEST ITEM	TEST STANDARD	RESULT	COMMENT
Dry Film Thickness	EN1396 & AAMA2605	30- 46µm	All Pass Compliant with both EN1396 & AAMA2605
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		ΔE = 0.24	
Detergent Resistance		No loss of film adhesion or visual change	
Window Cleaner Resistance		No blistering or noticeable change	

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

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



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