

FUTURAL

## A1 Non-Combustible Solid Aluminium Cladding Panel

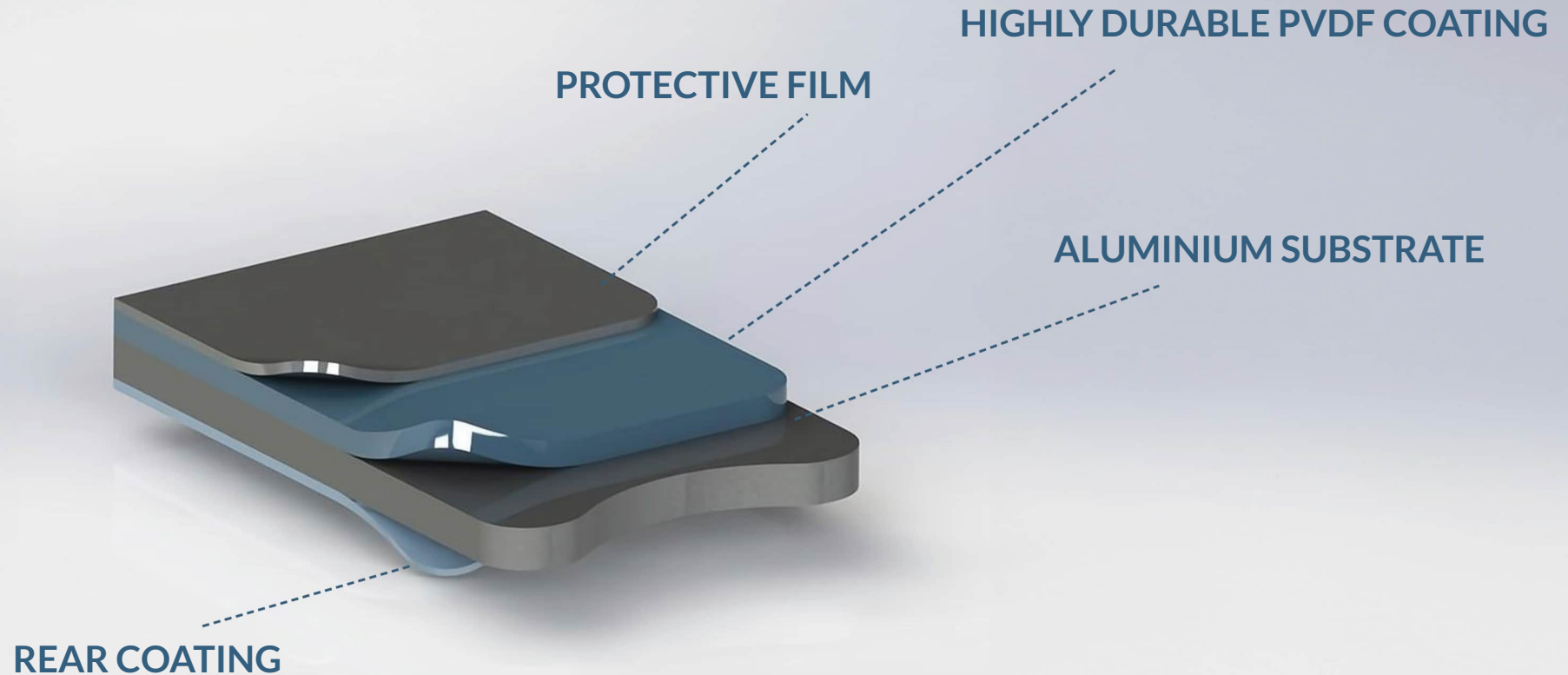
FUTURAL (UK) LTD

128 City Road, London, United Kingdom, EC1V 2NX | [sales@futural.co.uk](mailto:sales@futural.co.uk) | [www.futural.co.uk](http://www.futural.co.uk)



AC MARRIOTT - MANCHESTER  
4800m<sup>2</sup>

# PRODUCT OVERVIEW



Futural is solid aluminium cladding panel that is **A1 non-combustible to BS EN 13501-1** and suitable for any type of buildings at any height. Made from 5000 marine grade aluminium with PVDF coatings, it is highly durable and impact resistant, yet available in unlimited colour range with superior surface and weather resistance.

# BENEFITS

## A1 NON-COMBUSTIBLE & 100% RECYCLABLE

Futural is solid aluminium claddings which is A1 rated to BS EN 13501-1 and 100% recyclable

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## ROBUST DURABILITY

Futural uses 5000 marine grade aluminium with outstanding tensile strength and corrosion resistance that ensures excellent panel flatness and extremely long service lifetime.

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## COMPLETE SYSTEM SOLUTION

We offer Futural Cladding Systems, which are tested to CWCT standards, and various popular fixing options are offered to help create unique cladding designs.

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## COMPLETE COMPLIANCE

Futural has passed massive rigorous tests with UKAS organisations, proving its 100% compliance with all UK Building Regulations making it legally allowed for all types of buildings including Relevant and High-rise Buildings.

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## PVDF COATING SYSTEM

Futural uses superior PVDF coating system and has passed 4000hrs accelerated weathering test. It is compliant with EN 1396 standard, as well as the AAMA 2605 Standard, a demanding coating standard considered the same high level as Qualicoat Class 3

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## ONE-STOP SERVICE

We have established an integrated UK supply chain with our UK partners, leading to our one-stop cladding solutions from product design, production, fabrication and delivery, and most importantly, a reliable warranty backed up by all partners.

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## COMPLETE WARRANTY & ASSURANCE

We offer up to a 30 year warranty backed up by our integrated supply chain

# FIXING SYSTEMS

Futural can be supplied in Complete Cladding Systems with various popular fixing options that have been tested to CWCT standards.



## Futural Flat Sheet System

Our Flat Sheet System is a through-fix flat panel system that is fully tested and certified, yet cost effective and adopting the aesthetics of colour matched fixings



## Futural Hook on Cassette System

Our Hook on Cassette System utilises a 3mm Futural 'hook on' panel, which combines contemporary aesthetics with uncomplicated fixing methods allowing for rapid installation.

## Futural Joint Fixing Cassette System

This is a folded aluminium cassette panel system that utilises fixings discretely placed within the panel joints, where an isolated and individual panel are allowed for removal.

## Futural Plank System

This is a secret fixed panel that gives the effect of a floating system, which can be used for not only fascia and soffit applications, but also a cost effective, main facade solution.

More systems options are available, please contact us



HORSLEY HOUSE- NEWCASTLE  
7000m<sup>2</sup>

# FULL COMPLIANCE WITH UK BUILDING REGULATIONS

Stringently tested with UKAS accredited labs, Futural has been proved to be completely compliant with all relevant UK Building Regulations and massive European & International standards, such as Approved Documents, Construction Products Regulations and Safety Act 2022.

Building Regulations 2011	Compliant
Construction Products Regulations 2011	Compliant
Building Safety Act 2022	Compliant
CWCT standards	Compliant
UKCA	Compliant
Fire Rating	A1 to BS EN 13501-1
Coating Properties	4000 hours salt spray and humidity tested
	2000 hours UV and 1000 hours acetic tested
	Compliant with EN 1396 and AAMA 2605
Tensile Properties	Compliant with EN 485-2
Chemical Compositions	Compliant with EN 573-3



# COLOUR RANGE



Futural comes in a range of fascinating finishes, offering both standard and customised colours and textures, including:

- SOLID COLOURS
- METALLIC
- WOODCREATE
- NATURALINE
- SPARKLING
- CHROMATIC



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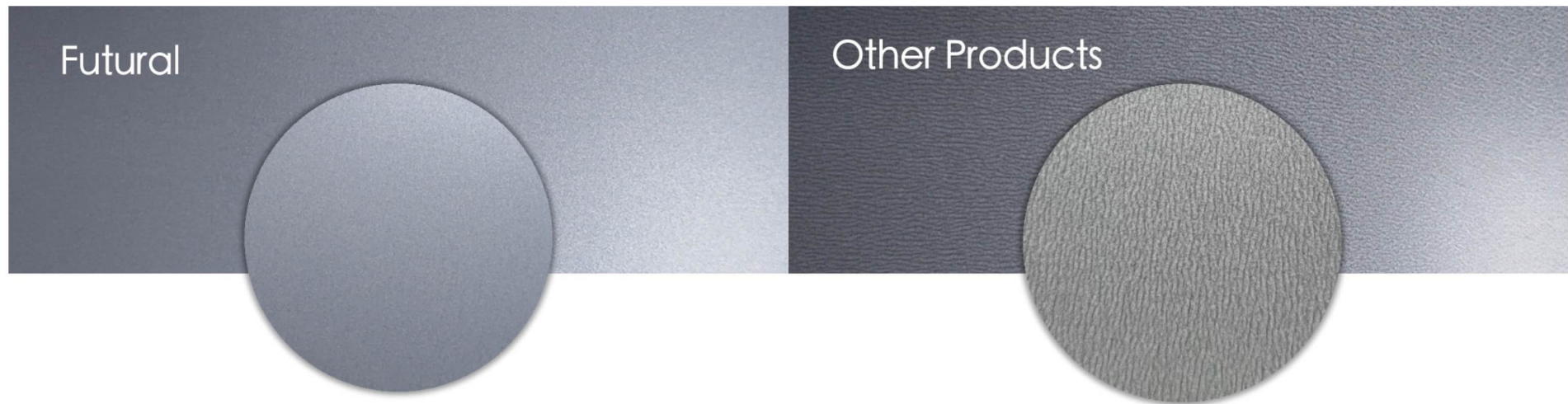
Visit our website for a comprehensive list of finishes  
[www.futural.co.uk](http://www.futural.co.uk)



# COATING SYSTEM

Futural uses PVDF coating system, known for its high durability and superior weather resistance. It has passed 4000hrs accelerated weathering tests, proving its outstanding weather resistance. Futural is compliant with EN 1396 standard, as well as the AAMA 2605 Standard, a demanding coating standard considered the same high level as Qualicoat Class 3.

Futural has delicate coatings without “Orange Peels Patterns” that often appear on PPC panels and other similar products, featuring an absolutely exquisite and aesthetically-pleasing appearance.



Along with excellent durability, another advantage of PVDF coating is the maintenance of panels is simpler, faster and more efficient than PPC alternatives. PVDF also outperforms traditional post paint methods when it comes to external weather durability due to better tolerance of heat, oxidation and Humidity.

# 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

# MATERIAL 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, please contact us

## FIRE CLASSIFICATION

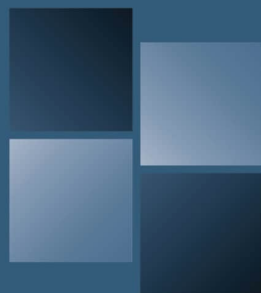
FIRE RATING		SMOKE PRODUCTION		FLAMING DROPLETS		
A1 to EN 13501-1	-	s	Not applicable	-	d	Not applicable

## 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



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