

Kitemark™ Certificate

This is to certify that:

AWS Turner Fain Limited
Roman Acre House
West Bank
Berry Hill Industrial Estate
Droitwich
WR9 9AE
United Kingdom

Holds Certificate Number:

KM 508982

In respect of:

BS 4873/PAS 24
Enhanced Security Aluminium Window Fabricator

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

First Issued: 2006-09-26

Latest Issue: 2025-05-15

Effective Date: 2025-06-24

Expiry Date: 2028-06-23

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Kitemark™ Certificate

No. KM 508982

BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for windows in the UK.

This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

System(s): **Glissade Range Aluminium Alloy Window System**

Fabrication and Installation: Fabricated and installed in accordance with the latest issue(s) of the following
A W S Turner Fain controlled manual(s):

Glissade Range Window Technical/Fabrication Manual

System description: The windows are thermally broken, double glazed only, internally or externally beaded, have multipoint locking only and mechanically fixed transoms/mullions. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

First Issued: 2006-09-26

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Kitemark™ Certificate

No. KM 508982

Size Limitations and Performance Characteristics Glissade Range Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m ²) - Maximum	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs* Standard vent	900	900	-	-	4	E1050	-	2000-
Projecting side hungs* Standard vent	600	1200	-	-	4	E1050	-	2000-
Tilt/Turns	1155	1135	-	-	4	6A	E2000	E2000
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	1200	1200	1.44	-	4	6A	E2000	E2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights, GL 104 T/M reinforcement	1200	1200	1.44	1200	4 -	E1050 -	-	-
Multilights, T/T reinforced	2400	1200	2.88	1200	4	6A	E2000	E2000

*BS 4873:2016 has been issued by BSI under a flexible accreditation scope

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BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for windows in the UK.

This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

System(s): **Concept Series CS77 Aluminium Alloy Window System**

Fabrication and Installation: Fabricated and installed in accordance with the latest issue of the following Reynaers Limited manual(s):

Reynaers Limited Product Manual

System description: The windows are thermally broken, double glazed only, internally or externally beaded, have multipoint locking only and mechanically fixed transoms/mullions. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

First Issued: 2006-09-26

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Kitemark™ Certificate

No. KM 508982

Size Limitations and Performance Characteristics
Concept Series CS77 Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m ²) - Maximum	Transom / Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:								
Projecting side hungs	1232	1732	-	-	3 -	9A-	C5	2000
Tilt/Turns	1212	2212	-	-	4	9A	2400	2400
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	3000	3000	1.2	1590	3-	9A-	C5	1600
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights, T/M reinforcement	3000	1732	-	1590	3-	9A-	C5	1600

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BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for windows in the UK.

This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

System(s): **SL38 Aluminium Alloy Window System**

Fabrication and Installation: Fabricated and installed in accordance with the latest issue of the following Reynaers Limited manual(s):

Reynaers Limited Product Manual

System description: The windows are thermally broken, double glazed only, internally or externally beaded, have multipoint locking only and mechanically fixed transoms/mullions. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

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Size Limitations and Performance Characteristics SL38 Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m²) - Maximum	Transom / Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:								
Tilt/Turns	1339	2839	-	-	4 -	E900-	C4	1200

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This Certificate covers the following window system design specification. Only those components that have been approved in accordance with the Kitemark scheme requirements can be incorporated within the system(s) detailed.

System(s): **SL68 Aluminium Alloy Window System**

Fabrication and Installation: Fabricated and installed in accordance with the latest issue of the following Reynaers Limited manual(s):

Reynaers Limited Product Manual

System description: The windows are thermally broken, double glazed only, internally or externally beaded, have multipoint locking only and mechanically fixed transoms/mullions. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

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Kitemark™ Certificate

No. KM 508982

Size Limitations and Performance Characteristics
SL68 Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m²) - Maximum	Transom / Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Sash dimensions for windows with approved sash profiles:								
Projecting top hungs	1230	1920	-	-	4	E1050	C5	2000

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Kitemark™ Certificate

No. KM 508982

BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for windows in the UK

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 81580.

Alitherm Heritage & Alitherm Heritage HD Aluminium Alloy Window System

Fabrication and Installation: Fabricated and installed in accordance with the latest issue(s) of the following Smart Systems Limited controlled manual(s):

Smart Systems Alitherm Heritage & Alitherm Heritage HD Window Manual

System description: The windows are thermally broken, internally or externally beaded, with at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required, multipoint locking only, with mechanically fixed transoms/mullions. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Window Types: Casement windows
Tilt/Turn windows
Fixed windows
Multilight windows comprising opening light(s) and/or dummy vent(s) or fixed light(s)

Profiles:	Outer Frame(s)	W20015/20016/20017/20018/W20110
	Transom/Mullion(s)	W20032/20034/20035/20037/20039/W20130/W20131/W20133/W20139
	Sash(es)	W20024/20025/20026/20028/20029/W20120/20122
	Rebate Reverser	W20047/20147
HD Profiles :	Outer Frame(s)	W20310/20317
	Transom/Mullion	W20330/20331/20332/20333/20135N
	Sash(es)	W20320/20325
	Rebate Reverser	W20345

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Kitemark™ Certificate

No. KM 508982

Hardware -

Alitherm Heritage & Alitherm Heritage HD Aluminium Alloy Window System Casement windows*

Hardware Reference	Hardware Supplier	Fixing Specification	Fixing Supplier
Friction Hinge – Securityle Defender Sterling Nico ME-Egress Hinge	Smart Systems	ACET070	Smart Systems
Securistyle/Yale hinge protector ASD/ASD-ST	Smart Systems	ACET066	Smart Systems
Shootbolt/mushroom bolt espagnolette locking system ACW201-205 (ACW301-306 HD profiles)	Smart Systems	Espagnolette & keeps: ACET066	Smart Systems
Casement Key locking handles	Smart Systems	ACET069	Smart Systems
Run-up blocks 4 off per sash	-		

Tilt/Turn windows

Hardware Reference	Hardware Supplier	Fixing Specification	Fixing Supplier
Sobinco Chrono invasion safe tilt turn gearing , Sobinco Scissor Stay.	Smart Systems	Integral within gearing	Smart Systems
Tilt/Turn Key Locking Handles	Smart Systems	ACET069	Smart Systems

Dummy vent windows*

Hardware Reference	Hardware Supplier	Fixing Specification	Fixing Supplier
Securistyle Defender stays	Smart Systems	ACET070	Smart Systems

Glass retention: External: Glazing beads and Glaslok Securi-clip security glazing clips

Internal: Glazing beads

Multilight windows comprising opening light(s) and/or dummy vent(s) or fixed light(s)

Hardware/Fixing requirements are as specified for opening, dummy vent and fixed window types.

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Kitemark™ Certificate

No. KM 508982

Alitherm Heritage & Alitherm Heritage HD Aluminium Alloy Window System
Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

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Kitemark™ Certificate

No. KM 508982

Size Limitations and Performance Characteristics – to be read in conjunction with fabrication manual Alitherm Heritage Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area(m ²) - Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:									
Projecting top hungs Internally beaded	1400	1400	-	24"	-	4	7A	AE2400	2000+
Projecting top hungs Externally beaded	1400	1400	-	24"	-	4	9A	AE2400	2000+
Projecting top hungs HD Int/Ex Beaded	1750	1400			-	4	7A Int 9A Ex	AE2400	2000+
Projecting side hungs Internally beaded	900	1400	-	16"	-	4	7A	AE2400	2000+
Projecting side hungs Externally beaded	900	1400	-	16"	-	4	9A	AE2400	2000+
Projecting side hungs HD Int/Ex Beaded	838	1750			-	4	7A Int 9A Ex	AE2400	2000+
Tilt/Turn Internally beaded	1200	2100	-	-	-	4	9A	BE2400	2000+
Overall dimensions for windows with approved outer frame profiles:									
Fixeds Internally Beaded	2100	2100	4.2	-	-	4	7A	AE2400	2000+
Fixeds Externally Beaded	2100	2100	4.2	-	-	4	9A	AE2400	2000+
Overall dimensions for approved outer frames & transom/mullion profiles:									
Multilights W2035 T/M Internally Beaded	2100	2100	2.5	-	1450	4	7A	AE2400	2000+
Multilights W2035 T/M Externally Beaded	2100	2100	2.5	-	1450	4	9A	AE2400	2000+
Multilights W21030 T/M Internally Beaded	2100	2100	-			4	7A	AE2400	2000+

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BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for windows in the UK.

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Senior Architectural Limited

SPW600 /SPW600e Aluminium Alloy Window System

Fabrication and Installation: Fabricated and installed in accordance with the latest issue(s) of the following Senior Architectural Limited controlled manual(s):
SPW600/SPW600e Window Systems

System description: The windows are double glazed, internally or externally* beaded, multipoint locking, with mechanically jointed transoms/mullions, tee and/or cruciform joints. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested

Window Types: Casement windows
Tilt/turn windows
Fixed windows

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

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Kitemark™ Certificate

No. KM 508982

Size Limitations and Performance Characteristics

SPW600 / SPW600e Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area(m ²) - Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:									
Projecting top hungs Reinforced	1144	1144	-	24"	-	2	7A	2400	2000+
Projecting side hungs Reinforced	1054	1554	-	16"	-	4	9A	CE2400	2000+
Tilt/turns Reinforced	1505	1505	-	-	-	4	9A	CE2400	2400
Overall dimensions for approved outer frames & transom/mullion profiles:									

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This Certificate covers the fabrication of windows from the range of profiles and components supplied by Senior Architectural Limited

PURE Casement Aluminium Alloy Window System

Fabrication and

Installation:

Fabricated and installed in accordance with the latest issue(s) of the following Senior Architectural Limited controlled manual(s):

PURE Casement

System description:

The windows are double glazed, internally or externally* beaded, multipoint locking, with mechanically jointed transoms/mullions, tee and/or cruciform joints. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested

Window Types:

Casement windows

Tilt/turn windows

Fixed windows

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Kitemark™ Certificate

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Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

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No. KM 508982

Size Limitations and Performance Characteristics

PURE Casement Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area(m ²) - Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:									
Projecting top hungs Reinforced	1442	1442	-	12"	-	3	9A	AE2400	2400
Projecting side hungs Reinforced	1000	1500	-	16"	-	4	9A	AE2400	2400

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This Certificate covers the fabrication of windows from the range of profiles and components supplied by Senior Architectural Limited

AliVU Casement Aluminium Alloy Window System

Fabrication and Installation: Fabricated and installed in accordance with the latest issue(s) of the following Senior Architectural Limited controlled manual(s):

AliVU Casement

System description: The windows are double glazed, internally or externally* beaded, multipoint locking, with mechanically jointed transoms/mullions, tee and/or cruciform joints. With at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series where required. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested

Window Types: Casement windows
Tilt/turn windows
Fixed windows
Multilight windows comprising opening light(s) and/or fixed light(s)

First Issued: 2006-09-26
Latest Issue: 2025-05-15

Effective Date: 2025-06-24
Expiry Date: 2028-06-23

Kitemark™ Certificate

No. KM 508982

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3
Racking	Class 3
Load Bearing capacity of safety devices	Pass
Impact Resistance	Class 0
Resistance to opening and closing	Class 2

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This certificate has been issued by and remains the property of BSI Assurance UK Ltd, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP, United Kingdom and should be returned immediately upon request.
To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

Kitemark™ Certificate

No. KM 508982

Size Limitations and Performance Characteristics

AliVU Casement Aluminium Alloy Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area(m ²) - Maximum	Friction Stays (up to and including)	Transom/Mullion Length (mm) inc frame - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1
Sash dimensions for windows with approved sash profiles:									
Projecting top hungs Reinforced	1570	1570	-	12"	-	3	9A	C4	1600
Projecting side hungs Reinforced	950	1570	-	16"	-	3	9A	C4	1600
Overall dimensions for windows with approved outer frame profiles:									
Fixeds Reinforced	1500	1500	0.00	-	-	3	9A	C4	1600
Overall dimensions for approved outer frames & transom/mullion profiles:									
Multilights	3000	1600	0.00	-	1569	3	9A	C4	1600

*BS 4873:2016 has been issued by BSI under a flexible accreditation scope

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