

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 808839

In respect of:

BS 7412/PAS 24
Enhanced Security PVCU Windows 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: 2024-11-13

Latest Issue: 2025-06-03

Effective Date: 2025-06-24

Expiry Date: 2028-06-23

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Kitemark™ Certificate

No. KM 808839

BS 7412:2007 / 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 Profile 22 Systems under Certificate Number KM 33523.

Optima PVC-U Window System

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

- Optima Casement Manual (Part No TM 0017)
- Optima Tilt/Turn Manual (Part No TM0019)
- Optima General Manual (Part No TM0016)
- On-line Optima Systems Accreditation Matrix

System description: The windows are double glazed or triple glazed, with BS EN 1279-2 compliant IGUs, 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, internally beaded or externally beaded casements utilising G T Glazing Clips, multipoint locking only, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints. Windows are classified W.

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 sensor 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.

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To check its validity telephone +44 (0) 345 080 9000. An electronic certificate can be authenticated [online](#).

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Kitemark™ Certificate

No. KM 808839

Optima PVC-U Window System

Ventilation: None

Window Types:	Casement windows	Yale SensCheck (KM 735815 IoT), Maco MKI, MKII Shootbolts Maco RAIL Espagnolette including REACH, Yale Croppable and Non-Croppable Espagnolette or Defender Espag coupled with either Staymate 2, Securistyle ASD1, Securistyle ADS1 hinge protectors. Securistyle Defender, Defender Egress friction hinges, Yale or Cotswold hinges. Top hungs only SE Controls actuator
	Tilt/turn	Siegenia AF concealed and face fit gearing with low level or standard handle position, Maco Multipower concealed and face fit gearing
	French casement	Yale SensCheck (KM 735815 IoT), Yale Night Vent Lock. Maco MKII/I Shootbolt extensions with Staymate 2, Securistyle, Yale or Cotswold hinges
	Fixed windows Dummy Vent Multilight windows comprising opening light(s) and/or fixed light(s)	

Classification for Operational strength in accordance with BS 6375

	Casement	Tilt/Turn	French Casement
Operating forces	Class 1	Class 1	Class 1
Resistance to Static Torsion	Class 3 - 300N	Class 3 - 300N	Class 3 - 300N
Racking	Class 3 - 600N	Class 3 - 600N	Class 3 - 600N
Load Bearing capacity of safety devices	350N	350N	350N
Impact Resistance	0	None	None
Resistance to repeated opening & closing	Class 2	Class 2	Class 2

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Kitemark™ Certificate

No. KM 808839

Size Limitations and Performance Characteristics
Optima PVC-U Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m²) - 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
Vent dimensions for windows with approved sash profiles:									
Projecting top hungs Reinforced	1240	1240	-	24"	-	3	9A	BE2400	2400
Projecting top hungs QC10/QC11 Outerframe QX10,QR11s,QR reinforcement	1240	1240	-	24"	-	3	9A	BE2400	2400
Projecting side hungs Reinforced	740	1340	-	16"	-	4	E1500	CE2400	2400
Projecting side hungs QC10/QC11 Outerframe QX10,QR11s,QR reinforcement	740	1340	-	16"	-	4	E1500	CE2400	2400
French casement QX44	740	1277	-	-	-	2	7A	B4	1600
Tilt/Turns, Reinforced	1436	1535	-	-	-	4	E750	CE2400	2400
Fixed Unreinforced	1900	1900	3.61	-	-	2	7A	AE2400	2400
Overall dimensions for windows with approved outer frame profiles:									
Multilights, QR16S T/M reinforcement	1800	1800	2.16	-	1200	2	7A	A4	1600
Multilights, QR16S T/M reinforcement	1350	1350	1.82	-	1350	2	7A	AE2400	2400
Multilights, QR16S T/M reinforcement	1650	1650	2.72	-	1650	2	7A	A4	1600
Multilights, QR16S T/M reinforcement	1750	1750	3.06	-	1750	2	7A	A4	1600
Multilights, QR17S T/M reinforcement	1450	1450	2.1	-	1450	2	7A	AE2400	2400
Multilights, QR17S T/M reinforcement	1700	1700	2.89	-	1700	2	7A	A4	1600
Multilights, QR17S T/M reinforcement	1900	1900	3.61	-	1900	2	7A	A4	1600

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Size Limitations and Performance Characteristics Optima PVC-U Window System

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m²) - 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
Overall dimensions for approved transom/mullion profiles (welded joint):									
Multilights QR10S T/M reinforcement	2200	2200	3.08	-	1400	4	9A	C3	1200
Multilights QR11S T/M reinforcement	2200	2200	2.97	-	1350	4	9A	B5	2000
Multilights, QR11S T/M reinforcement	2200	2200	3.19	-	1450	4	7A	C3	1200
Multilights BR116S T/M Reinforcement	2200	1450	3.19	-	1450	4	6A	A5	2000
Multilights, QX16 T/M reinforcement	1050	1050	1.10	-	1050	2	7A	AE2400	2400
Multilights, QX16 T/M reinforcement	1250	1250	1.56	-	1250	2	7A	A4	1600
Multilights, QX16 T/M reinforcement	1400	1400	1.96	-	1400	2	7A	A3	1200
Multilights, QX10 T/M reinforcement	1000	1000	1	-	1000	2	7A	AE2400	2400
Multilights, QX10 T/M reinforcement	1150	1150	1.32	-	1150	2	7A	A4	1600
Multilights, QX10 T/M reinforcement	1350	1350	1.82	-	1350	2	7A	A3	1200

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BS 7412:2007 / 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 Profile 22 Systems under Certificate Number KM 33523.

Flush Casement PVC-U Window System

Fabrication and Installation:	Fabricated and installed in accordance with the latest issue(s) of the following Epwin controlled manual(s): General Manual (Part No TM0016) Flush Casement Manual (Part No TM 0018)	
System description:	The windows are double or triple glazed, with BS EN 1279-2 compliant IGUs, 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, internally beaded, multipoint locking only, fully welded or fully mechanically jointed. Windows are classified as W. 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 sensor 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.	
Ventilation:	None	
Window Types:	Flush Casement	Yale SensCheck (KM 735815 IoT), Maco MKI, MKII Shootbolts and/or Yale Night vent locks with either Staymate 2, Securistyle ASD1, Securistyle ADS1 hinge protectors. Securistyle Defender, Defender Egress friction hinges, Yale or Cotswold hinges
	Flush French Casement	Yale SensCheck (KM 735815 IoT), Yale Night vent locks with Staymate 2, and Securistyle Defender, Cotswold or Yale hinges
	Fixed light	
	Dummy vent	
	Multilight windows comprising opening light(s) and/or fixed lights	

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Classification for Operational strength in accordance with BS 6375
Flush Casement PVC-U Window System

	Casement	French Casement
Operating forces	Class 1	Class 1
Resistance to Static Torsion	Class 3 - 300N	Class 3 - 300N
Racking	Class 3 - 600N	Class 3 - 600N
Load Bearing capacity of safety devices	Yes	Yes
Impact Resistance	0	0
Resistance to repeated opening & closing	Class 2	Class 2

Size Limitations and Performance Characteristics

Window Type	Length (mm) - Maximum	Height (mm) - Maximum	Area (m²) - 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
Vent dimensions for windows with approved sash profiles:									
Flush side hungs	710	1310	-	16"	-	3	9A	CE2400	2400
Flush top hung	1210	910	-	24"	-	3	9A	C3	1200
Flush French	710	1310	-	16"	-	4	9A	B4	1600
Fixed unreinforced	1900	1900	3.61	-	-	2	7A	AE2400	2400
Overall dimensions for windows with approved outer frame & transom/mullion profiles:									
Multilights, QR11S T/M reinforcement	1350	1350	1.82	-	1350	4	9A	AE2400	2400

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Flush Tilt & Turn PVC-U Window System

Fabrication and Installation: Fabricated and installed in accordance with the latest issue(s) of the following Epwin controlled manual(s):
Flush Tilt & Turn Manual, Epwin General Manual (TM00222-P or 994730) and On line Flush Tilt & Turn Accreditation Matrix

System description: The windows are double or triple glazed, internally beaded only, with BS EN 1279-2 compliant IGUs, 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 welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints. Windows are classified W. 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 sensor 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.

Ventilation: None

Window Types: Flush Tilt & Turn
Maco Multipower concealed gearing. Siegenia AF concealed and face fix gearing with low level or standard handle position

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Resistance to Static Torsion	Class 3 - 300N
Racking	Class 3 - 600N
Load Bearing capacity of safety devices	Yes
Impact Resistance	0
Resistance to repeated opening & closing	Class 2

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Size Limitations and Performance Characteristics
Flush Tilt & Turn PVC-U 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
Vent dimensions for windows with approved vent profiles:									
Flush Tilt & Turn	1424	1538	2.19	-	-	4	E1050	AE2400	2400
Flush Tilt & Turn	1426	1538	2.19	-	-	4	8A	AE2400	2400
Flush Tilt & Turn	1390	2240	3.11	-	-	4	9A	BE2400	2400
Overall dimensions for windows with approved outer frame & transom/mullion profiles:									
Multilights BR132S T/M reinforcement	2400	1614	3.84	-	1614	4	8A	AE2400	2400

BS 7412:2007 has been issued by BSI under a flexible accreditation scope

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