

Kitemark™ Certificate

This is to certify that:

Epwin Group Plc
T/A Windowbuild
55-56 Lewis Road
Cardiff
CF24 5EB
United Kingdom

Holds Certificate Number:

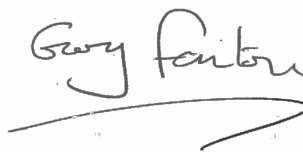
KM 542954

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:

Gary Fenton, Global Product Certification Director

First Issued: 09/10/2008

Latest Issue: 22/12/2015



Kitemark™ Certificate

No. KM 542954

BS 7412:2007 / PAS 24:2012 - Enhanced security performance requirements for window assemblies.

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Spectus Window Systems under Certificate Number KM 33510

Elite 70 PVC-U Window System

Fabrication and Installation:

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

Elite 70 Casement Manual (Part No 994731),

Elite 70 Tilt/Turn Manual (Part No 994733),

Elite 70 General Manual (Part No 994730) and

On-line Elite 70 Systems Accreditation Matrix.

System description:

The windows are double glazed only, internally or externally* beaded multipoint locking only, with welded and/or mechanically fixed transoms/mullions, tee and/or cruciform joints (* dependent on window type).

Ventilation:

None

Window Types:

Casement windows	Nico MkI & MKII shootbolt espagnolette system, key operated locking handle and WB hinge protector. Or a five point multi locking Nico espagnolette system operated by a key locking handle and WB hinge protector
Tilt/turn windows	Siegenia gearing and keeps
Fixed windows	
Multilight windows comprising opening light(s) and/or fixed light(s)	

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Kitemark™ Certificate

No. KM 542954

Size Limitations and Performance Characteristics

Elite 70 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 6375-1:2009
Vent dimensions for windows with approved vent profiles:									
Projecting top hungs Reinforced	1200	1200	-	24"	-	2	7A	B5	2000
Projecting side hungs Reinforced	650	1400	-	16"	-	2	7A	CE2400	2400
Projecting side hungs Reinforced	700	1300	-	16"	-	2	7A	CE2400	2400
Tilt/turns Reinforced	1300	1500	-	-	-	2	5A	A3	1200
Overall dimensions for windows with approved outer frame profiles:									
Fixeds Reinforced	3000	3000	6.00	-	-	2	7A	AE2400	2400

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Size Limitations and Performance Characteristics (continued)

Elite 70 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 6375-1:2009
Overall dimensions for windows with approved outer frame & transom/mullion profiles:									
Multilights, BR20S T/M reinforcement	1400	1400	1.82	-	1300	2	7A	A3	1200
Multilights, BR21 T/M reinforcement	1400	1400	1.40	-	1400	2	7A	A2	800
Multilights, BR21S T/M reinforcement	1500	1500	1.95	-	1500	2	7A	AE2400	2400
Multilights, BR20 T/M reinforcement	1300	1300	1.43	-	1300	2	7A	A2	800
Multilights, BR16S T/M reinforcement	1450	1450	1.74	-	1450	4	7A	A5	2000
Multilights, BR16 T/M reinforcement	1300	1300	1.56	-	1300	4	8A	A5	2000
Multilights, BR17S T/M reinforcement	1600	1600	1.92	-	1600	4	9A	A5	2000

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Size Limitations and Performance Characteristics (continued)

Elite 70 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 6375-1:2009
Overall dimensions for windows with approved outer frame & transom/mullion profiles:									
Multilights, BR06S T/M reinforcement	1300	1300	1.56	-	1300	4	8A	A5	2000
Multilights, BR06 T/M reinforcement	1200	1200	1.38	-	1150	4	8A	A5	2000
Multilights, BR22 T/M reinforcement	1200	1200	1.44	-	1200	4	8A	A5	2000
Multilights, BR22S T/M reinforcement	1550	1550	1.86	-	1550	4	9A	A5	2000
Multilights, BR24S T/M reinforcement	1800	1800	2.16	-	1800	2	7A	AE2400	2400
Multilights, BR24 T/M reinforcement	1500	1500	1.65	-	1500	2	7A	A4	1600

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Kitemark™ Certificate

No. KM 542954

BS 7412:2007 / PAS 24:2012 - Enhanced security performance requirements for window assemblies.

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Profile 22 Systems under Certificate Number KM 33525.

Profile 22 PVC-U Window System

Fabrication and Installation:	Fabricated and installed in accordance with the latest issue(s) of the following Profile 22 controlled manual(s): Profile 22 Technical manual Profile 22 PVC-U Windows PAS24 Technical Manual	
System description:	The windows are internally or externally beaded (dependent upon window type), double glazed, multipoint locking only, with welded transoms/mullions, tee and/or cruciform joints only.	
Ventilation:	None	
	Casement windows	Nico Mkl & MKII shootbolt espagnolette system, key operated locking handle and WB hinge protector. Or a five point multi locking Nico espagnolette system, operated by a key locking handle and WB hinge protector
	Tilt/turn windows	Siegenia gearing and keeps
	Fixed windows	
	Multilight windows consisting of opening light(s) and/or fixed light(s)	

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Kitemark™ Certificate

No. KM 542954

Size Limitations and Performance Characteristics

Profile 22 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 6375-1:2009
Sash dimensions for approved casement sash profiles:									
Projecting top hungs Reinforced	1235	1235	-	24"	-	2	7A	A5	2000
Projecting side hungs Reinforced	735	1335	-	16"	-	2	7A	CE2400	2400
Sash dimensions for approved tilt/turn sash profiles:									
Tilt/turns Reinforced	917	1515	-	-	-	2	7A	CE2400	2400
Sash dimensions for approved fully reversible profiles									
Top Swing fully reversible's	1235	1350	-	-	-	4	6A	A5	2000
Overall dimensions with approved outer frame profiles:									
Fixeds Unreinforced	1900	1900	2.09	-	-	2	5A	AE2400	2400
Overall dimensions for approved transom/mullion profiles:									
Multilights, 2243 T/M reinforcement	1800	1800	2.16	-	1200	2	7A	A4	1600
Multilights, 2243 T/M reinforcement	1350	1350	1.76	-	1350	2	7A	AE2400	2400
Multilights, 2243 T/M reinforcement	1650	1650	2.15	-	1650	2	7A	A4	1600
Multilights, 2243 T/M reinforcement	1750	1750	2.28	-	1750	2	7A	A4	1600
Multilights, 2249 T/M reinforcement	1450	1450	1.89	-	1450	2	7A	AE2400	2400
Multilights, 2249 T/M reinforcement	1700	1700	2.21	-	1700	2	7A	A4	1600
Multilights, 2249 T/M reinforcement	1900	1900	2.09	-	1900	2	7A	A4	1600

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Kitemark™ Certificate

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Size Limitations and Performance Characteristics (continued) Profile 22 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 6375-1:2009
Overall dimensions for approved transom/mullion profiles:									
Multilights, 7882 T/M reinforcement	1300	1300	1.69	-	1250	2	7A	AE2400	2400
Multilights, 7882 T/M reinforcement	1350	1350	1.76	-	1350	2	7A	AE2400	2400
Multilights, 7882 T/M reinforcement	1550	1550	2.03	-	1500	2	7A	A4	1600
Multilight, 7883 T/M reinforcement	1300	1300	1.43	-	1100	2	7A	AE2400	2400
Multilight, 7883 T/M reinforcement	1300	1300	1.56	-	1200	2	7A	A4	1600
Multilight, 7883 T/M reinforcement	1450	1450	1.96	-	1450	2	7A	A3	1200
Multilight, 2404 T/M reinforcement	2200	1450	3.19	-	1450	4	6A	A5	2000
Overall dimensions for approved transom/mullion profiles (RCM reinforcement)									
Multilights, 2499 T/M reinforcement	1050	1050	1.1	-	1050	2	7A	AE2400	2400
Multilights 2499 T/M reinforcement	1250	1250	1.56	-	1250	2	7A	A4	1600
Multilights, 2499 T/M reinforcement	1400	1400	1.96	-	1400	2	7A	A3	1200
Multilights, 2583 T/M reinforcement	1000	1000	1	-	1000	2	7A	AE2400	2400
Multilights 2583 T/M reinforcement	1150	1150	1.32	-	1150	2	7A	A4	1600
Multilights 2583 T/M reinforcement	1350	1350	1.82	-	1350	2	7A	A3	1200

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