



This is to certify that: Vaspa Limited

1 Gorst Road Parks Royal London NW10 6LA United Kingdom

KM 711716 Holds Certificate Number:

In respect of:

BS 4873 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: Chris Lewis - Certification Director, Product Certification

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No. KM 711716

BS 4873:2016 - Aluminium alloy windows and doorsets.

This Certificate covers the fabrication of windows from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 81543.

Alitherm 300 System 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 300 Windows Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only with mechanically fixed transoms/mullions.

Ventilation: None

Window Types: Casement windows

Fixed windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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No. KM 711716

Size Limitations and Performance Characteristics

Alitherm 300 Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 app	roved sas	h profiles:					
Projecting top hungs Internally Beaded	1400	1400	-	-	4	E1200	AE2400	2000+
Projecting top hungs Externally Beaded	1400	1400	-	-	4	E1200	AE2400	2000+
Projecting side hungs Internally Beaded	600	1400	-	-	4	E1200	AE2400	2000+
Projecting side hungs Externally Beaded	600	1400	ı	ı	4	E1200	AE2400	2000+
Overall dimensions for windo	ws with a	oproved o	uter frame	e profiles:				
Fixeds Internally Beaded	2100	2100	8400	-	4	E1200	AE2400	2000+
Fixeds Externally Beaded	2100	2100	8400	-	4	E1200	AE2400	2000+
Overall dimensions for windo	ws with a _l	oproved o	uter frame	e & transon	n/mullion pr	ofiles:		
Multilights, ETC335 T/M Internally Beaded	2100	2100	7100	1450	4	E1200	AE2400	2000+
Multilights, ETC 335 T/M Externally Beaded	2100	2100	7100	1450	4	E1200	AE2400	2000+

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BS 4873:2016 - Aluminium alloy windows and doorsets.

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Alitherm 500 System 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 500 Windows Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only with mechanically fixed transoms/mullions.

Ventilation: None

Window Types: Casement and dummy casement windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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Size Limitations and Performance Characteristics

Alitherm 500 Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 app	roved sas	h profiles:					
Top hungs Internally Beaded	1400	1400	-	-	2	E900	AE2400	2000+
Side hungs Internally Beaded	700	1400	-	-	4	E1050	AE2400	2000+
Dummy Sash Internally Beaded	1400	1400	-	1400	4	E1050	AE2400	2000+

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Alitherm 600 System 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 600 Windows & Doors Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only, with mechanically fixed transoms/mullions

Ventilation: None

Window Types: Casement windows

Fixed windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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Size Limitations and Performance Characteristics

Alitherm 600 Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 window	ws with ap	proved sa	sh profile	s:			\\	
Projecting top hungs Internally beaded	1400	1500	-	-	4	9A	AE2400	2000+
Projecting top hungs Externally beaded	1400	1500	-	-	4	E1200	AE2400	2000+
Projecting side hungs Internally beaded	1000	1400	-	-	4	9A	AE2400	2000+
Projecting side hungs Externally beaded	1000	1400	-	-	4	E1200	AE2400	2000+
Overall dimensions for wind	dows with	approved	outer fran	me profiles:				
Fixeds Internally beaded	2100	2100	8400	-	4	9A	AE2400	2000+
Fixeds Externally beaded	2100	2100	8400	-	4	E1200	AE2400	2000+
Overall dimensions for wind	dows with	approved	outer fran	ne & transc	m/mullio	n profiles:		
Multilights, ETC335 T/M Internally beaded	2100	2100	7100	1450	4	9A	AE2400	2000+
Multilights, ETC335 T/M Externally beaded	2100	2100	7100	1450	4	E1200	AE2400	2000+

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Alitherm 700 System 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 700 Windows Manual

System description: The windows are thermally broken, double glazed only, internally beaded, multipoint

locking only, with mechanically fixed transoms/mullions

Ventilation: None

Window Types: Casement windows

> Parallel opening windows Fully reversible windows

Fixed windows

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Size Limitations and Performance Characteristics

Alitherm 700 Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 windo	ws with	approved	d sash pro	files:				
Projecting Top Hungs	1600	1600	-	-	4	9A	AE2400	2000+
Projecting Side Hungs	840	1500	-	- 1	4	9A	AE2400	2000+
Parallel	1800	2100	7200	-	4	9A	AE2400	2000+
Reversible	1500	1558	6116	-	4	9A	AE2400	2000+
Fixeds	2100	2100	7800		4	9A	AE2400	2000+

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Alitherm 800 System 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 800 Windows & Doors Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only, with mechanically fixed transoms/mullions

Ventilation: None

Window Types: Casement windows

Fixed windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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Size Limitations and Performance Characteristics

Alitherm 800 Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 window	vs with ap	proved sas	h profiles:					
Projecting top hungs	1400	1300	-	-	3	8A	A2	800
Projecting side hungs	800	1400	-	-	3	E1050	AE	2000
Overall dimensions for wind	ows with	approved o	uter frame	e profiles:				
Fixeds	2100	2100	4800	-	3	E1050	AE	2000
Overall dimensions for wind	ows with	approved o	uter frame	e & transon	n/mullion	profiles:		
Multilights, ETC831 T/M reinforcement	2100	2100	7100	1450	3	E1050	AE	2000

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Eco Futural System 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 Eco Futural Windows & Doors Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only, with mechanically fixed transoms/mullions

Ventilation: None

Window Types: Casement windows

Tilt/Turn windows Fixed windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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Size Limitations and Performance Characteristics

EcoFutural Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 window	vs with ap	proved sas	h profiles:					
Projecting top hungs	1440	2500	-	-	3	8A	A5	2000
Projecting side hungs	840	1440	ı		4	E1050	AE2400	2000+
Overall dimensions for wind	ows with	approved o	uter frame	e profiles:				
Fixed	2100	2100	4800	-	4	E1050	AE	2000
Tilt/Turns	1600*	2400	-	-	4	E900	AE	2400
Overall dimensions for wind	ows with	approved o	uter frame	e & transom	n/mullion	profiles:		
Multilights	2400	2100	7680	1345	4	E1050	AE	2000

^{*}Width of the Tilt/Turn Sash must not exceed 1½ times the height.

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Alitherm Heritage System 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 Windows Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only, with mechanically fixed transoms/mullions

Ventilation: None

Window Types: Casement windows

Fixed windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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Size Limitations and Performance Characteristics

Alitherm Heritage Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 app	roved sas	h profiles:					
Projecting top hungs Internally Beaded	1400	1400	-	-	4	7A	AE2400	2000+
Projecting top hungs Externally Beaded	1400	1400	-	-	4	5A	AE2400	2000+
Projecting side hungs Internally Beaded	600	1400	-	-	4	7A	AE2400	2000+
Projecting side hungs Externally Beaded	600	1400	-	ı	4	5A	AE2400	2000+
Overall dimensions for windo	ws with a _l	oproved o	uter frame	e profiles:				
Fixeds Internally Beaded	2100	2100	8400	-	4	7A	AE2400	2000+
Fixeds Externally Beaded	2100	2100	8400	-	4	5A	AE2400	2000+
Overall dimensions for windo	ws with a _l	oproved o	uter frame	e & transon	n/mullion pr	ofiles:		
Multilights, W2035 T/M Internally Beaded	2100	2100	7100	1450	4	7A	AE2400	2000+
Multilights, W2035 T/M Externally Beaded	2100	2100	7100	1450	4	5A	AE2400	2000+

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Alitherm Heritage FR90 System 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 FR 90 Windows Manual

System description: The windows are thermally broken, double glazed only, internally or externally

beaded, multipoint locking only, with mechanically fixed transoms/mullions

Ventilation: None

Window Types: Casement windows

Fixed windows

Multilight windows comprising opening light(s) with or without fixed light(s)

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Size Limitations and Performance Characteristics

Alitherm Heritage FR90 Aluminium Alloy Window System

Window Type	Length (mm) Maximum	Height (mm) - Maximum	Perimeter (mm) - 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 app	roved sasl	h profiles:							
Projecting top hungs Internally Beaded	1100	1100	-	-	4	E750	CE2400	2400		
Overall dimensions for windows with approved outer frame & transom/mullion profiles:										
Multilights, Internally Beaded	1100	2500	7200	1100	4	E750	CE2400	2400		

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