

# Kitemark™ Certificate

This is to certify that:

Smart Systems Limited  
Incorporating Smart Extrusions  
Arnolds Way  
Yatton  
BS49 4QN  
United Kingdom

Holds Certificate Number:

KM 81543

In respect of:

**BS 4873**  
**Aluminium Window System Supplier**

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: 03/02/2005

Latest Issue: 18/05/2016



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# Kitemark™ Certificate

No. KM 81543

## **BS 4873:2009 - Aluminium alloy windows and doorsets.**

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.

### **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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# Kitemark™ Certificate

No. KM 81543

## 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 approved sash 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	-	-	4	5A	AE2400	2000+
Overall dimensions for windows with approved outer frame profiles:								
Fixeds Internally Beaded	2100	2100	8400	-	4	7A	AE2400	2000+
Fixeds Externally Beaded	2100	2100	8400	-	4	5A	AE2400	2000+
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilights, ETC335 T/M Internally Beaded	2100	2100	7100	1450	4	7A	AE2400	2000+
Multilights, ETC 335 T/M Externally Beaded	2100	2100	7100	1450	4	5A	AE2400	2000+

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## **BS 4873:2009 - Aluminium alloy windows and doorsets.**

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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 windows with approved sash profiles:								
Projecting top hungs Internally beaded	1400	1500	-	-	4	7A	AE2400	2000+
Projecting top hungs Externally beaded	1400	1500	-	-	4	5A	AE2400	2000+
Projecting side hungs Internally beaded	1000	1400	-	-	4	7A	AE2400	2000+
Projecting side hungs Externally beaded	1000	1400	-	-	4	5A	AE2400	2000+
Overall dimensions for windows with approved outer frame profiles:								
Fixeds Internally beaded	2100	2100	8400	-	4	7A	AE2400	2000+
Fixeds Externally beaded	2100	2100	8400	-	4	5A	AE2400	2000+
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilight, ETC335 T/M Internally beaded	2100	2100	7100	1450	4	7A	AE2400	2000+
Multilight ETC335 T/M Externally beaded	2100	2100	7100	1450	4	5A	AE2400	2000+

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## **BS 4873:2009 - Aluminium alloy windows and doorsets.**

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### **Alitherm 700 System Aluminium Alloy Window system**

<b>Fabrication and Installation:</b>	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
<b>System description:</b>	The windows are thermally broken, double glazed only, internally beaded, multipoint locking only, with mechanically fixed transoms/mullions
<b>Ventilation:</b>	None
<b>Window Types:</b>	Casement windows Parallel opening windows Fully reversible windows Fixed windows

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# Kitemark™ Certificate

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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 windows with approved sash profiles:								
Projecting Top Hungs	1600	1600			4	9A	AE2400	2000+
Projecting Side Hungs	840	1500			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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## **BS 4873:2009 - Aluminium alloy windows and doorsets.**

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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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# Kitemark™ Certificate

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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 windows with approved sash profiles:								
Projecting top hungs	1400	1300	-	-	3	8A	A2	800
Projecting side hungs	800	1400	-	-	3	E1050	AE	2000
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2100	2100	4800	-	3	E1050	AE	2000
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilight, ETC831 T/M reinforcement	2100	2100	7100	1450	3	E1050	AE	2000

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## **BS 4873:2009 - Aluminium alloy windows and doorsets.**

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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 windows with approved sash profiles:								
Projecting top hungs	1440	2500	-	-	3	8A	A5	2000
Projecting side hungs	840	1440	-	-	4	E1050	AE2400	2000+
Overall dimensions for windows with approved outer frame profiles:								
Fixeds	2100	2100	4800	-	4	E1050	AE	2000
Tilt/Turns	1600*	2400	-	-	4	E900	AE	2400
Overall dimensions for windows with approved outer frame & transom/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 approved sash profiles:								
Projecting top hungs Internally Beaded	1400	1400	-	-	4	9A	AE2400	2000+
Projecting top hungs Externally Beaded	1400	1400	-	-	4	9A	AE2400	2000+
Projecting side hungs Internally Beaded	600	1400	-	-	4	9A	AE2400	2000+
Projecting side hungs Externally Beaded	600	1400	-	-	4	9A	AE2400	2000+
Overall dimensions for windows with approved outer frame profiles:								
Fixeds Internally Beaded	2100	2100	8400	-	4	9A	AE2400	2000+
Fixeds Externally Beaded	2100	2100	8400	-	4	9A	AE2400	2000+
Overall dimensions for windows with approved outer frame & transom/mullion profiles:								
Multilight, W2035 T/M Internally Beaded	2100	2100	7100	1450	4	9A	AE2400	2000+
Multilight, W2035 T/M Externally Beaded	2100	2100	7100	1450	4	9A	AE2400	2000+

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