

# Kitemark™ Certificate

This is to certify that:

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

Holds Certificate Number:

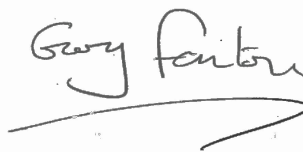
KM 530838

In respect of:

**BS 4873 / PAS24**  
**Enhanced Security Aluminium Door 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: 29/09/2008

Latest Issue: 18/05/2016



# Kitemark™ Certificate

No. KM 530838

## BS 4873:2009 / PAS 24:2012 - General and enhanced security performance requirements for door assemblies.

This Certificate covers the following residential door 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 Plus Aluminium Alloy Residential Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s):  
Alitherm Plus Technical Manual

#### System description:

The door assemblies are open in or open out, hinged on outer frame or mullion, internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, with or without mechanically fixed midrails (either glass/midrail/glass or full glass), with either standard or mechanically fixed low threshold. Doors are classified as either DK or DKT

<b>Profiles:</b>	Outer Frame:	ETD012/015/017/196
	Leaf:	ETD024N/025N
	Midrail:	ETD030/033/034
	Frame Filler:	PCX17
	Leaf Filler:	PCX15
	<b>Hardware:</b>	Locking:
Hinges:		ACET 250
Handle		ACDV351, Mila pro-Secure 050121
Cylinder		ACCY3045S1

#### Size Limitations and Performance Characteristics

Door Type	Leaf Width (mm) Maximum	Leaf Height (mm) - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Single leaf	1000	2500	4	3A	A3	1200
Double leaf Open in low threshold	1000	2500	4	3A	A3	1200
Double leaf Open out standard threshold	1000	2500	4	8A	A3	1200
Double leaf Open In standard threshold	1000	2500	4	7A	A3	1200
Rebated profile performance results	1000	2500	4	9A	AE2400	2000+

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### Visoglide Plus Aluminium Alloy Patio Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s):  
Visoglide Plus Technical Manual

#### System description:

The door assemblies are sliding patio doorsets, 2 - 6 panel configurations within the maximum sash size detailed below. Internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, with or without mechanically fixed midrails, with either standard threshold.  
Doors are classified as D K or D KT

**Profiles:** Outer Frame: VG510/511/512/513/516/518/519/610/612/618/620/621  
Leaf: VG520/521N  
Midrail: VG538/539/536  
Frame Filler: VG514/515

**Hardware:** Locking: ACZ2024/025/026 Shootbolts ACVG752, Keep ACSZ/122/124/  
126/128/130/132  
Handle ACVG553/554/ACSZ882/883  
Cylinder ACIM442/ACCY5540S1

#### Size Limitations and Performance Characteristics

Door Type	Leaf Width (mm) Maximum	Leaf Height (mm) - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009 (except *)
2 pane sliding doorset	2000	2400	3	7A	AE2400	2000+
3 pane (2 sliding) doorset	2000	2400	3	7A	AE2400	2000+
Active/Fixed Leaf	2000	2400	3	7A	AE2400	2000+

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### Ultraglide Aluminium Alloy Patio Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s): Ultraglide Technical Manual

#### System description:

The door assemblies are sliding patio doorsets, 2 - 6 panel configurations within the maximum sash size detailed below. Internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, with or without mechanically fixed midrails, with either standard threshold.  
Doors are classified as D K or D KT

**Profiles:**

Outer Frame:	UG010/012/110/112/114/210/212/310/611/613/810/812
Leaf:	UG021/142/143/620/820
Midrail:	UG025/026/027/GT030/031/032/033/035
Frame Filler:	UG014/015/615/616

**Hardware:**

Locking:	ACSZ001/002/003 Shootbolt ACVG752, Keeps ACSZ102/104/106/108/110/112
Handle	ACVG553/554/ACSZ882/883
Cylinder	ACCY5540S1

#### Size Limitations and Performance Characteristics

Door Type	Leaf Width (mm) Maximum	Leaf Height (mm) - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009 (except *)
2 pane sliding doorset	2500	2420	3	7A	AE2400	2000+
3 pane (2 sliding) doorset	2500	2420	3	7A	AE2400	2000+
Active/Fixed Leaf	2500	2420	3	7A	AE2400	2000+

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## **BS 4873:2009 / PAS 24:2012 - General and enhanced security performance requirements for door assemblies.**

This Certificate covers the following residential door 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.

### **Smart Wall Door System**

Fabricated and installed in accordance with the latest issue of the Smart Systems Limited fabrication manual.

#### **System description:**

The door assemblies are single or double leaf with or without sidescreens, thermally broken, dual opening, pivot hinged, internally beaded with BS 1279 compliant IGU(s), laminated on one pane to class P1A, fully glazed, with either rebated or mechanically fixed low threshold. Doors are classified as either D K or D KT

**Profiles:** IMP 210 Jamb Section, IMP 301 infill strip, IMP 110 Head Section, IMP 011 Over head closure cover, IMP 035 AFT Adaptor, IMP 036N AFT Stile, IMP 039 Primary Lock Stile, IMP 300 Stile Infill, IMP 120 Top Rail, IMP 027 Bottom Rail, IMP 034 Midrail, IMP 411 Threshold, GL 526 Glazing Bead.

**Hardware:**

Hinges	ACIM 425B Closure kit
Lock and Keeps:	ACIM 440 Sentinel x2 ACIM 008 keep or Sentinel lock in conjunction with magnetic locking at least one hook bolt must be included centrally. or 2 x Trimec ES 8001 Electronic V- Lock (ACIM420) – can be used in conjunction with manually operated shootbolts on slave leaf of double doorset.
Shootbolts:	ACVL426 with rods ACVL127
Cylinder :	ACIM 442 ACIM 443 Guards
Handle:	ACMX05522 200mm Pad Handles

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# Kitemark™ Certificate

No. KM 530838

## Smart Wall Door System

### Size Limitations and Performance Characteristics

Door Type	Leaf Width (mm) Maximum	Leaf Height (mm) - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Rebated Single leaf	1200	2500	2	7A	A5	2000
Rebated Double leaf	1200	2500	2	7A	A5	2000
Single leaf	1200	2500	-	-	A2	800U
Double leaf	1200	2500	-	-	A2	800U
Sidescreen	3000	2500	4	9A	A4	1600

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### EcoFutural Aluminium Alloy Residential Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s): EcoFutural Technical Manual

#### System description:

The door assemblies are open in or open out, hinged on outer frame or mullion, internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, with or without mechanically fixed midrails (either glass/midrail/glass or full glass), with either standard or mechanically fixed low threshold. Doors are classified as either DK or DKT

**Profiles:**  
Outer Frame: EF414/472/475/492/493  
Leaf: EF424/425  
Midrail: EF030/031/032/033/034/035/036

**Hardware:**  
Locking: ACSZ550/551/552  
Shootbolt: ACGT430 with rods ACVL127  
Keep: ACVL434  
Hinges: ACUN450  
Handle: ACFA120  
Cylinder + cover: ACMX0613/ACMX208 and ACSZ400  
Lock Keeps: ACSZ650/651

#### Size Limitations and Performance Characteristics

Door Type	Leaf Width (mm) Maximum	Leaf Height (mm) - Maximum	Air Permeability classification	Watertightness classification	Resistance to Wind classification	Exposure category as given in Table 1 of BS 6375-1:2009
Single leaf	1000	2500	4	4A	A3	1200
Double leaf Open in low threshold	1000	2500	3	4A	A3	1200
Double leaf Open in standard threshold	1000	2500	4	6A	A3	1200
Double leaf Open out	1000	2500	4	8A	A3	1200

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