

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/PAS 24
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:

Shahm Barhom, Group Product Certification Director

First Issued: 2008-09-29

Latest Issue: 2023-03-14

Effective Date: 2023-03-14

Expiry Date: 2024-10-09



Page: 1 of 11

Kitemark™ Certificate

No. KM 530838

BS 4873:2016 / PAS 24:2016 - 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 D and can be fitted with letterplates which meets the requirements of TS008 Enhanced Security Grade 2

Profiles:	Outer Frame :	ETD012/015/017/196
	Leaf:	ETD024N/025N
	Midrail:	ETD030/033/034
	Frame Filler:	PCX17
	Leaf Filler:	PCX15
Hardware:	Locking:	ACET272/273/276/277/282/283/217, Shootbolts ACDV737/738/742/744
		Secondary door lock set ACET 285. Keeps ACET 268/269
	Hinges:	ACET 250. Protectors ACET 252
	Handle:	ACDV251, ACET 484/486/487/488, ACET480 (Security) ACCY3045S1 - (Security), ACCY3045 & 4530 (Standard)
	Cylinder:	ACCY3045S1/4530- (Standard Handles).

Size Limitations and Performance Characteristics - To be read in conjunction with fabrication manual

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
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+

First Issued: 2008-09-29

Latest Issue: 2023-03-14

Effective Date: 2023-03-14

Expiry Date: 2024-10-09

Page: 2 of 11

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No. KM 530838

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This Certificate covers the following 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.

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 standard threshold.
Doors are classified D.

Profiles: Outer Frame : VG510/511N/512/513N/516/518/519/610/612/618/620/621
Leaf: VG520/534/536/539/521N/540/541/542/549/590/592
Midrail: VG538
Frame Filler: VG514/515

Hardware: Locking: ACSZ024/025/026 Shootbolts ACVG752, Keep ACSZ/122/124/126/128/130/132/ACSZ040/041/042/046 (fix kit BT Lock)
Handle: ACSZ882/883, ACSZ750/751
Cylinder: ACIM442 (Security Handle)/ACCY4040S1/ACCY3030S1 (any handle)

Size Limitations and Performance Characteristics - To be read in conjunction with fabrication manual

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
2 pane sliding doorset	2000	2400*	3	7A	AE2400	2000+
3 pane (2 sliding) doorset	2000	2400*	3	3A	1200	1200
Active/Fixed Leaf	2000	2400*	3	7A	AE2400	2000+
2 pane (1 sliding) doorset overall	2300	2600	4	7A	CE2000	2000
Active/Fixed	1100	2500				

* Door leaf up to 2913mm with appropriate BT Shootbolt Lock.

First Issued: 2008-09-29

Effective Date: 2023-03-14

Latest Issue: 2023-03-14

Expiry Date: 2024-10-09

Page: 3 of 11

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This Certificate covers the following 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.

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 standard threshold.
Doors are classified D.

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. ACSZ040/041/042/045(Fix Kit BT Lock)
	Handle:	ACVG553/554/ACSZ882/883, ACSZ750/751
	Cylinder:	ACCY5540S1

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
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+

*Door leaf up to 2913mm with appropriate BT Shootbolt Lock

First Issued: 2008-09-29
Latest Issue: 2023-03-14

Effective Date: 2023-03-14
Expiry Date: 2024-10-09

Kitemark™ Certificate

No. KM 530838

BS 4873:2016 / PAS 24:2016 - General and enhanced security performance requirements for door assemblies.

This Certificate covers the following commercial door and screen 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 & Screen 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 Auto-slide/Swing with or without sidescreens, thermally broken, dual opening, pivot hinged, internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, fully glazed, with either rebated or mechanically fixed low threshold. Doors are classified D.

Profiles

Outerframe: IMP 210 Jamb Section, IMP 301 infill strip, IMP 110 Head Section, 115/116/217/219/310/410 IMP 011 Over head closure cover, IMP 265/035 AFT Adaptor IMP013/015/019

Leaf IMP 036N/037 AFT Stile, IMP 039 Primary Lock Stile, IMP 300 Stile Infill, IMP041/042/043/025/026/032 F.H Shoot Bolt stile/038/040
IMP 120 Top Rail, IMP 027 Bottom Rail, IMP 034 Midrail, 028/121/122/260
IMP 261/262/263/411 Threshold, GL 526 Glazing Bead 264/265/266/412/415.
VG 532/533 – Interlock Bolster

Hardware:

Hinges:	ACIM 425B Closure kit
Lock and Keeps:	ACIM 440 Sentinel x2 ACIM 008 keep Sentinel lock in conjunction with magnetic locking at least one hook bolt must be included centrally. Alpro Maglock 48AL2400-LP VORTEX Concealed Panic bar ref- AXIM PR-7085 Series including RE-712 & CB-748-AL Support Block (x2) – ACIM 270 Concealed Panic bar with multi-point lock ref – Sentinel Maximus 3 Point Panic Lock -430A. Touch Bar 400TB, External Handle 400LH, Cylinder Guard 400CS & 400ES. Multi-lock Cylinder 51288527-M71B-SXP. Euro 120 50AX70NM. CAM 348E. 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. ACSZ040/041/042
Cylinder:	ACIM 442, ACIM 443, ACSZ750/751 Guards
Handle:	ACMX05522 200mm Pad Handles
Auto-Gear:	Dorma ES200 with heavy duty support brackets ACIM271/272
Other:	Adams Rite Panic Exit Hardware

First Issued: 2008-09-29

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Expiry Date: 2024-10-09

Page: 5 of 11

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No. KM 530838

Smart Wall Door System

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
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

First Issued: 2008-09-29

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Effective Date: 2023-03-14

Expiry Date: 2024-10-09

Page: 6 of 11

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This Certificate covers the following residential/commercial 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.

EcoFutural Aluminium Alloy Residential/Commercial 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 D and can be fitted with letterplates which meets the requirements of TS008 Enhanced Security Grade 2

Profiles: Outer Frame : EF011/035/040/044/414/472/415/492/493/952/953/993
Leaf: EF023/120/424/425
Midrail: EF030/031/032/033/034/035/036/130

Hardware: Locking: ACSZ510/511/512/550/551/552. 2 x Trimec ES 8001 Electronic V-Lock (ACIM420)
Shootbolt: ACGT430 with rods ACVL127
Keep: ACVL434
Hinges: ACUN450, ACMX102, ACUN102. Hinge Bolt ACMX103, ACUN103
Handle: ACFA120
Cylinder + cover: ACMX0613/ACMX208 and ACSZ400
Lock Keeps: ACSZ650/651

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
Low Threshold	1200	2500	3	3A	1200	1200
Rebated	1200	2500	3	6A	1200	1200
Rebated Open Out EF425 Flush Sash	1200	2500	4	8A	1200	1200
Rebated Open Out EF120 Stepped Sash	1200	2500	3	E900	1200	1200

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Effective Date: 2023-03-14

Expiry Date: 2024-10-09

Page: 7 of 11

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Visofold 1000 Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s):
Visofold 1000 Technical Manual

System description:

The door assemblies are open in or out sliding and folding, up to 7 panes in all configurations within the maximum leaf size detailed below. Internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, fully glazed, with either standard or low threshold.

Doors are classified as D

Profiles:

Outer Frame : DV14/17/19/32/38/56/60/62/68/75/76/171/172/173/174/175/176/271/273/555/EUD03
Leaf: DV23/26/28/29/220/221/228/229
Midrail: DV30/35/235
Frame Filler: PCX36/38

Hardware:

Locking: ACDV722/723/727/728/737/738/742/744
Ancillary: ACET217 Mullion Keep Support. ACDV080 Run-up. ACDV081a-lift
Shoot Bolts: ACDV227/229/297/328
Hinges: ACDV232/331/332/333/532/380/381
Handle: ACDV225/226/501/502/524/525/251* ACET480
Cylinder: ACCY50/50-S3*/ACDV258/ACMX01604
*Handle ACDV251 must be used with security cylinder ACCY50/50-S3

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
Low Threshold	1200	2500	2	2A	1200	1200
Rebated	1200	2500	3	4A	1200	1200
Rebated Without DV32 post	1200	2500	4	5A	1800	1800

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Expiry Date: 2024-10-09

Page: 8 of 11

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Alitherm Heritage Aluminium Alloy Residential Door System

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

System description:

The door assemblies are single or double leaf open in or 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 D and can be fitted with letterplates which meets the requirements of TS008 Enhanced Security Grade 2

Profiles: Outer Frame: W20015/20016/20017/20112/20270/20111/20272/20274

Leaf: W20124/20129/20046/20149

Midrail: W200135/20038/20039/20133/20135/20136/20138

Hardware: Locking: FUHR (ACW20465/20466/ACDV737/738)

Hinges: Banks (ACW20164/ACW20360)

Hinge Protectors: FUHR (ACWT 20375)

Handle: Standard with ACCY4525NKTTS3/ACET480 with ACY3045NKSICYL

Cylinder: ACCY4525NKTTS3/ACCY3045NKSI (with ACET480 only)

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
Double leaf open in standard threshold	900	2100	4	3A	B3	1200
Double leaf open out standard threshold	900	2100	4	8A	B3	1200

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Effective Date: 2023-03-14

Expiry Date: 2024-10-09

Page: 9 of 11

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Alitherm 400 Aluminium Alloy Residential and Commercial Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s):
Alitherm 400 Technical Manual

System description:

The door assemblies are double leaf, open in or out, hinged on outer frame, internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, fully glazed and with either standard, standard fully rebated, low or short rebated threshold options. Doors are classified D.

Profiles:	Outer Frame:	ETD402/404/410/412/490/491/492/493/495/496/497/499
	Leaf:	ETD4202/4203/4204/4205/422/424/445/446/447/448
	Midrail	ETD430/4301/4302/432
Hardware:	Locking:	ACUL267/268/272/273/276/277/278/279/280/281/283/360/361/362/363/374/375/377/378/380/381/382/383/390/ACDV737/738/742/44/ACPD844/846/847/848/849
	Hinges:	ACUL250/260)
	Hinge protectors	ACET252
	Handle:	Refer to manual referenced above
	Cylinder:	ACCY3560NK53/6035WK53/3560NKTT53/6035NKTT53

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
Double Open In Full Rebate	1100	2500	4	3A	C3	AB2400
Double Open Out Full Rebate	1100	2500	4	E1050	C3	AE2400

First Issued: 2008-09-29

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Expiry Date: 2024-10-09

Page: 10 of 11

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Visofold 6000 Door System

Fabricated and installed in accordance with the latest issue of the following Smart Systems Limited manual(s):
Visofold 6000 Technical Manual

System description:

The door assemblies are open in or out sliding and folding, up to 7 panes in all configurations within the maximum leaf size detailed below. Internally beaded with BS EN 1279-2 compliant IGU(s), laminated on one pane to class P1A, fully glazed, with either standard or low threshold.

Doors are classified as D

Profiles: Outer Frame : DV614/617/651/652/670/676/570/545N
Leaf: DV620/622/624/640/645
Midrail: DV634

Hardware: Locking: ACDV586/663/676/677/576/577/737/738/742/744
Hinges: ACDV331/566/567/580/581
Handle: All Handles with ACCY5050S3 cylinder only
Cylinder: ACCY5050S3 or ACCY5050S1 and ACDV258 with handle ACET480 only

Size Limitations and Performance Characteristics – To be read in conjunction with fabrication manual

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
2+1 open out fully rebated	1000	2200	3	8A	A4	1600
2+1 open in fully rebated	1000	2200	2	3A	A4	1600
3 one way open out fully rebated	1000	2200	3	E1050	A4	1600
3 one way open in fully rebated	1000	2200	2	7A	A4	1600
Double leaf open out fully rebated	1000	2200	4	E1050	B4	1600
Double leaf open in fully rebated	1000	2200	4	8A	B4	1600

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Page: 11 of 11

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