

Kitemark™ Certificate

This is to certify that:

Avdon Bristol Ltd
Longbrook Trading Estate
Ashton Vale Road
Bristol
BS3 2HT
United Kingdom

Holds Certificate Number:

KM 646593

In respect of:

BS 4873/PAS 24
Enhanced Security Aluminium Door 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:

Shahm Barhom, Group Product Certification Director

First Issued: 2016-02-23

Latest Issue: 2025-05-19

Effective Date: 2025-05-19

Expiry Date: 2027-03-11

Page: 1 of 16



Kitemark™ Certificate

No. KM 646593

BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for doors in the UK.

This Certificate covers the fabrication of doors from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 530838.

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 at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series, with or without mechanically fixed midrails, with standard threshold. Doors are classified D. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Profiles:	Outer Frame:	VG510/511N/512/513N/516/518/519/610/612/618/620/621/UG061
	Leaf:	VG520/534/536/539/521N/540/541/542/549/590/592/VG632/920/920G
	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)/Maco three hooks 224155
	Handle:	ACSZ882/883, ACSZ750/751, ACSZ863
	Cylinder:	ACIM442 (Security Handle)/ACCY4040S1/ACCY3030S1 (any handle) ACMX0040 (Handle ACSZ863)
	Hardware Lift & Slide:	Maco HS Lift and Slide Hook locking system (250kg rollers with brushes) all as indicated in latest edition of the Visoglide Plus Manual

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Page: 2 of 16

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Kitemark™ Certificate

No. KM 646593

Visoglide Plus Aluminium Alloy Patio Door System

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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				
2 pane sliding doorset	2000	2400*	3	7A	AE2400	2000+

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

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Page: 3 of 16

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Kitemark™ Certificate

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BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for doors in the UK.

This Certificate covers the fabrication of doors from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 530838.

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 Auto-slide/Swing with or without sidescreens, thermally broken, dual opening, pivot hinged, internally beaded with at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series with either rebated or mechanically fixed low threshold. Doors are classified D. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

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

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Page: 4 of 16

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Kitemark™ Certificate

No. KM 646593

Smart Wall Door & Screen System

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 Concealed Rod Panic Bar Ref 485 & 585 585 Push Bar AA-8-585 PPB-US2-1300-SIL 485 Touch Bar AA-8-485 PTB-US2-1200-SIL 485 Lever handle AA-8-485 ALC-IKO-SIL 485 Escutcheon AA-8-485AEC-IKO-68-SIL 585 Escutcheon AA-8-585AEG-IKO-68-SIL

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Page: 5 of 16

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Kitemark™ Certificate

No. KM 646593

Smart Wall Door & Screen System

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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	4A	A5	2000
Rebated Double leaf	1200	2500	2	4A	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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Page: 6 of 16

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Kitemark™ Certificate

No. KM 646593

BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for doors in the UK.

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.

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 at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series, fully glazed, with either standard or low threshold. Doors are classified as D The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

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/DV123/126
	Midrail:	DV30/35/235
	Frame Filler:	PCX36/38
Hardware:	Locking:	ACDV722/723/727/728/737/738/742/744/ACDV576/577/676/677/752/753/762/763/772/773
	Ancillary:	ACET217 Mullion Keep Support. ACDV080 Run-up. ACDV081a-lift
	Shoot Bolts:	ACDV227/229/297/328/ACDV627/737/738/745
	Hinges:	ACDV232/331/332/333/532/380/381/ACDV334
	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

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Page: 7 of 16

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Kitemark™ Certificate

No. KM 646593

Visofold 1000 Door System

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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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Page: 8 of 16

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BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for doors in the UK.

This Certificate covers the fabrication of doors from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 530838.

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 single or double leaf, open in or out, hinged on outer frame, internally beaded with at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series, fully glazed and with either standard, standard fully rebated, low or short rebated threshold options. Doors are classified D. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

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/ACUL282
	Hinges:	ACUL250/260
	Hinge protectors:	ACET252
	Handle:	Refer to manual referenced above. Any handle in fabrication manual in conjunction with three star cylinders indicated below
	Cylinder:	ACCY3560NKS3/6035NKS3/3560NKTT3/6035NKTT3

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Page: 9 of 16

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Kitemark™ Certificate

No. KM 646593

Alitherm 400 Aluminium Alloy Residential and Commercial Door System

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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

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Page: 10 of 16

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BS 4873:2016 / PAS 24:2022 - Enhanced security performance requirements for doors in the UK.

This Certificate covers the fabrication of doors from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 530838.

Visotherm Aluminium Alloy Residential/Commercial Door System

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

System description:

The door assemblies are open in or open out, hinged on outer frame or mullion, internally beaded with at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series, 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. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Profiles:	Outer Frame:	UL204/206/210/290/292/295
	Leaf:	UL224/225/226/227/247/248/296
	Midrail:	UL230/231/232
Hardware:	Locking:	ACUL locks as latest Fabrication Manual
	Shootbolt:	ACPD & ACUL bolts as latest Fabrication Manual
	Hinges:	ACUL250
	Handle:	Handles as per latest Fabrication Manual*
	Cylinder:	Cylinder as per latest Fabrication Manual*
		*Handle and cylinder combination must achieve minimum of three star

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Page: 11 of 16

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Visotherm Aluminium Alloy Residential/Commercial Door System

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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	4A	1200	1200
Rebated	1200	2500	4	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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Page: 12 of 16

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This Certificate covers the fabrication of doors from the range of profiles and components supplied by Smart Systems Limited under Certificate Number KM 530838.

Alitherm Heritage & Heritage 60 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 at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series, 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. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

Profiles:	Outer Frame:	W20015/20016/20017/20112/20270/20111/20272/20274/ W20415/20417/20470/20472/20474
	Leaf:	W20124/20129/20046/20149/W20424/20429/20446/20449
Hardware:	Midrail:	W200135/20038/20039/20133/20135/20136/20138/W20430/20438
	Locking:	FUHR (ACW20465/20466/ACDV737/738/ACW20066/20367/20437
	Hinges:	Banks (ACW20164/ACW20360
	Hinge Protectors:	FUHR (ACWT 20375)
	Handle:	Standard with ACCY4525NKTTS3/ACET480 with ACY3045NKSICYL
	Cylinder:	ACCY4525NKTTS3/ACCY3045NKSI (with ACET480 only) ACCY5025NKS3/ACCY5025NKTTS3

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Page: 13 of 16

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Kitemark™ Certificate

No. KM 646593

Alitherm Heritage & Heritage 60 Aluminium Alloy Residential Door System

Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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	2200	4	3A	B3	1200
Double leaf open out standard threshold	900	2200	4	E1050	B3	1200

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Page: 14 of 16

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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 at least one pane of laminated glass meeting the requirements of BS EN 356:2000, Class P1A or higher, where applicable, and shall be glazed in accordance with the BS 6262 series, 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. The fitting of any connected or smart device to this product will invalidate this Kitemark Certificate unless BSI has been provided with objective evidence from a competent authority that the device has been tested and certified to EN 303645. BSI will update any Kitemark certificates with the relevant products as and when they have been tested.

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.
	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

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Page: 15 of 16

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Kitemark™ Certificate

No. KM 646593

EcoFutural Aluminium Alloy Residential/Commercial Door System Classification for Operational strength in accordance with BS 6375

Operating forces	Class 1
Vertical Load	Class 2
Resistance to Static Torsion	Class 2
Soft and Heavy body Impact	Class 2
Hard Body Impact	Class 2
Load Bearing Capacity of safety devices	N/A
Closure against obstruction	Pass
Resistance to opening and closing	Class 4 (50,000)

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	4A	1200	1200
Rebated	1200	2500	4	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

BS 4873:2016 has been issued by BSI under a flexible accreditation scope

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