

## Certificate of Product Approval

Certificate Number: 852d

Issue: 01

### ASSA ABLOY t/a ASSA ABLOY Opening Solutions UK & Ireland Door Group

21 Ferguson Drive  
Knockmore Hill Industrial Park  
Lisburn  
Co. Antrim  
Northern Ireland  
BT28 2EX



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

#### Product

**Powershield Clandeboye**  
hinged security doorsets

#### Standard

##### LPS 2081: Issue 1

Requirements and testing procedures for the LPCB approval and listing of building components, strongpoints, security enclosures and free-standing barriers offering resistance to intruders attempting to use stealth to gain entry

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#### Hinged Security Doorsets

Product Name	Type	Minimum Structural Opening Height (m)	Maximum Structural Opening Height (m)	Minimum Structural Opening Width (m)	Maximum Structural Opening Width (m)	Security Rating	LPCB Ref. No.
Powershield Clandeboye	Single leaf outward or inward opening hinged security doorset	0.8	2.8	0.35	1.4	B	852d/01
	Single leaf outward or inward opening hinged security doorset with overpanels	1.05	4.8	0.35	1.25		
	Double leaf outward or inward opening hinged security doorset	0.8	2.8	0.6	2.8		
	Double leaf outward or inward opening hinged security doorset with overpanels	1.05	4.8	0.6	2.8		

#### Approved Locking Configurations

Type	Compatible Locking Systems	
	Active Leaf	Passive Leaf
Single leaf outward opening hinged security doorset with or without overpanels	1 to 71, 74 to 77	N/A
Single leaf inward opening hinged security doorset with or without overpanels	1, 2, 5, 7 to 10, 13, 15 to 18, 21, 23 to 28, 31, 33 to 38, 41, 43 to 46, 49, 52 to 71, 74, 76	N/A
Double leaf outward opening hinged security doorset with or without overpanels	1 to 71, 74 to 77	72 or 73
Double leaf inward opening hinged security doorset with or without overpanels	1, 2, 5, 7 to 10, 13, 15 to 18, 21, 23 to 28, 31, 33 to 38, 41, 43 to 46, 49, 52 to 71, 74, 76	72 or 73

#### Compatible Locking Systems

Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Devices		Compatible External Cylinders
				External Face	Internal Face	
1	Abloy	EL160 KE/LH-HD	Morticed mechanical escape lock with automatic deadlocking	Key	Lever handle	A and B
2	Abloy	EL160 KE/LH	Morticed mechanical escape lock with automatic deadlocking	Key	Lever handle	A and B
3	Abloy	EL160 KE/PB-HD	Morticed mechanical escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B

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Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Devices		Compatible External Cylinders
				External Face	Internal Face	
4	Abloy	EL160 KE/PB	Morticed mechanical escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
5	Abloy	EL160 NA/LH	Morticed mechanical escape lock with automatic deadlocking	None	Lever handle	-
6	Abloy	EL160 NA/PB	Morticed mechanical escape lock with automatic deadlocking	None	Abloy PBE011 Panic bar	-
7	Abloy	EL160 KE/NA-HD	Morticed mechanical escape lock with automatic deadlocking	Key	None	A and B
8	Abloy	EL160 KE/NA	Morticed mechanical escape lock with automatic deadlocking	Key	None	A and B
9	Abloy	EL360 KE/LH-HD	Morticed mechanical escape lock with automatic deadlocking	Key	Lever handle	A and B
10	Abloy	EL360 KE/LH	Morticed mechanical escape lock with automatic deadlocking	Key	Lever handle	A and B
11	Abloy	EL360 KE/PB-HD	Morticed mechanical escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
12	Abloy	EL360 KE/PB	Morticed mechanical escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
13	Abloy	EL360 NA/LH	Morticed mechanical escape lock with automatic deadlocking	None	Lever handle	-
14	Abloy	EL360 NA/PB	Morticed mechanical escape lock with automatic deadlocking	None	Abloy PBE011 Panic bar	-
15	Abloy	EL360 KE/NA-HD	Morticed mechanical escape lock with automatic deadlocking	Key	None	A and B
16	Abloy	EL360 KE/NA	Morticed mechanical escape lock with automatic deadlocking	Key	None	A and B
17	Abloy	EL518 KE/LH-HD	Morticed motorised escape lock with automatic deadlocking	Key	Lever handle	A and B
18	Abloy	EL518 KE/LH	Morticed motorised escape lock with automatic deadlocking	Key	Lever handle	A and B
19	Abloy	EL518 KE/PB-HD	Morticed motorised escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B

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Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Devices		Compatible External Cylinders
				External Face	Internal Face	
20	Abloy	EL518 KE/PB	Morticed motorised escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
21	Abloy	EL518 NA/LH	Morticed motorised escape lock with automatic deadlocking	None	Lever handle	-
22	Abloy	EL518 NA/PB	Morticed motorised escape lock with automatic deadlocking	None	Abloy PBE011 Panic bar	-
23	Abloy	EL518 KE/NA-HD	Morticed motorised escape lock with automatic deadlocking	Key	None	A and B
24	Abloy	EL518 KE/NA	Morticed motorised escape lock with automatic deadlocking	Key	None	A and B
25	Abloy	EL518 NA/NA	Morticed motorised escape lock with automatic deadlocking	None	None	-
26	Abloy	EL518 NA/KE	Morticed motorised escape lock with automatic deadlocking	None	Key	A and B
27	Abloy	EL520 KE/LH-HD	Morticed motorised escape lock with automatic deadlocking	Key	Lever handle	A and B
28	Abloy	EL520 KE/LH	Morticed motorised escape lock with automatic deadlocking	Key	Lever handle	A and B
29	Abloy	EL520 KE/PB-HD	Morticed motorised escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
30	Abloy	EL520 KE/PB	Morticed motorised escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
31	Abloy	EL520 NA/LH	Morticed motorised escape lock with automatic deadlocking	None	Lever handle	-
32	Abloy	EL520 NA/PB	Morticed motorised escape lock with automatic deadlocking	None	Abloy PBE011 Panic bar	-
33	Abloy	EL520 KE/NA-HD	Morticed motorised escape lock with automatic deadlocking	Key	None	A and B
34	Abloy	EL520 KE/NA	Morticed motorised escape lock with automatic deadlocking	Key	None	A and B
35	Abloy	EL520 NA/NA	Morticed motorised escape lock with automatic deadlocking	None	None	-

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				External Face	Internal Face	
36	Abloy	EL520 NAVKE	Morticed motorised escape lock with automatic deadlocking	None	Key	A and B
37	Abloy	EL532 KE/LH-HD	Morticed motorised escape lock with automatic deadlocking	Key	Lever handle	A and B
38	Abloy	EL532 KE/LH	Morticed motorised escape lock with automatic deadlocking	Key	Lever handle	A and B
39	Abloy	EL532 KE/PB-HD	Morticed motorised escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
40	Abloy	EL532 KE/PB	Morticed motorised escape lock with automatic deadlocking	Key	Abloy PBE011 Panic bar	A and B
41	Abloy	EL532 NAVLH	Morticed motorised escape lock with automatic deadlocking	None	Lever handle	-
42	Abloy	EL532 NAVPB	Morticed motorised escape lock with automatic deadlocking	None	Abloy PBE011 Panic bar	-
43	Abloy	EL532 KE/NA-HD	Morticed motorised escape lock with automatic deadlocking	Key	None	A and B
44	Abloy	EL532 KE/NA	Morticed motorised escape lock with automatic deadlocking	Key	None	A and B
45	Abloy	EL532 NAVNA	Morticed motorised escape lock with automatic deadlocking	None	None	-
46	ASSA	1520 KE/LH	Morticed mechanical escape sashlock	Key	Lever handle	C
47	ASSA	1520 KE/PA	Morticed mechanical escape sashlock	Key with AASD guard	Assure 1520 Panic pad	C
48	ASSA	1520 KE/PB	Morticed mechanical escape sashlock	Key with AASD guard	Assure 1520 Panic bar	C
49	ASSA	1520 NA/LH	Morticed mechanical escape sashlock	None	Lever handle	-
50	ASSA	1520 NA /PA	Morticed mechanical escape sashlock	None	Assure 1520 Panic Pad	-
51	ASSA	1520 NA /PB	Morticed mechanical escape sashlock	None	Assure 1520 Panic Bar	-

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Compatible Locking System	Manufacturer	Model	Type	Compatible Operating Devices		Compatible External Cylinders
				External Face	Internal Face	
52	ASSA	2788 KE/TT	Morticed mechanical deadlock	Key with AASD guard	Thumbturn	C
53	ASSA	2788 KE/KE	Morticed mechanical deadlock	Key with AASD guard	Key	D
54	ASSA	2788 NA/KE	Morticed mechanical deadlock	None	Key	E
55	ASSA	2788 NA/TT	Morticed mechanical deadlock	None	Thumbturn	-
56	ASSA	2788 KE/NA	Morticed mechanical deadlock	Key with AASD guard	None	C
57	ASSA	9788 KE/TT-HD	Morticed mechanical deadlock	Key with AASD guard	Thumbturn	C
58	ASSA	9788 KE/KE-HD	Morticed mechanical lock (deadlock)	Key with AASD guard	Key	D
59	ASSA	9788 NA/KE-HD	Morticed mechanical lock (deadlock)	None	Key	E
60	ASSA	9788 NA/TT-HD	Morticed mechanical lock (deadlock)	None	Thumbturn	-
61	ASSA	9788 KE/NA-HD	Morticed mechanical lock (deadlock)	Key with AASD guard	None	C
62	ASSA	765 KE/TT	Morticed mechanical sashlock	Key with AASD guard (Optional Union SS lever handle)	Thumbturn (Optional Union SS lever handle)	C
63	ASSA	765 KE/KE	Morticed mechanical sashlock	Key with AASD guard (Optional Union SS lever handle)	Key (Optional Union SS lever handle)	D
64	ASSA	765 NA/KE	Morticed mechanical sashlock	None	Key (Optional Union SS lever handle)	E
65	ASSA	765 NA/TT	Morticed mechanical sashlock	None	Thumbturn (Optional Union SS lever handle)	-

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				External Face	Internal Face	
66	ASSA	765 KE/NA	Morticed mechanical sashlock	Key with AASD guard (Optional Union SS lever handle)	None	C
67	ASSA	8765 KE/TT-HD	Morticed mechanical sashlock	Key with AASD guard (Optional Union SS lever handle)	Thumbturn (Optional Union SS lever handle)	C
68	ASSA	8765 KE/KE-HD	Morticed mechanical sashlock	Key with AASD guard (Optional Union SS lever handle)	Key (Optional Union SS lever handle)	D
69	ASSA	8765 NA/KE-HD	Morticed mechanical sashlock	None	Key (Optional Union SS lever handle)	E
70	ASSA	8765 NA/TT-HD	Morticed mechanical sashlock	None	Thumbturn	-
71	ASSA	8765 KE/NA-HD	Morticed mechanical sashlock	Key with AASD guard (Optional Union SS lever handle)	None	C
72	ASSA ABLOY	Rockwood 555	Fire rated flush bolt	-	-	-
73	Pickersgill-Kaye	HS9080	Slide bolts	-	-	-
74	Abloy	EL560 KE/LH	Morticed solenoid escape lock with automatic deadlocking	Access control and lever handle with key override	Lever handle	A and B
75	Abloy	EL560 KE/PB	Morticed solenoid escape lock with automatic deadlocking	Access control and lever handle with key override	Abloy PBE011 Panic Bar	A and B
76	Abloy	EL560 NA/LH	Morticed solenoid escape lock with automatic deadlocking	Access control and lever handle	Lever Handle	-
77	Abloy	EL560 NA/PB	Morticed solenoid escape lock with automatic deadlocking	Access control and lever handle	Abloy PBE011 Panic Bar	-

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#### Compatible Cylinders

Cylinder Reference	Manufacturer	Model	Type
A	Abloy	Protec	Single Europrofile
B	Abloy	Protec2	Single Europrofile
C	ASSA	C5801	Scandinavian oval
D	ASSA	C5802	Scandinavian oval
E	ASSA	C5803	Scandinavian oval

#### Approved Optional Design Features/Accessories

Accessory	
Door viewer	Low level threshold
Fire signage – Bonded	Pull handle
Fire signage – Mechanically fixed	Surface mounted pull handle
Louvre vents	Vision panels

#### Notes

- The minimum and maximum height of the overpanels is 0.249 m and 2 m respectively. The overpanels can be plain leaf or louvred.
- Double leaf doorsets can be manufactured with unequal leaves, where the passive leaf is no less than 25% of the width of the active leaf.
- The security rating for double leaf doorsets is only achieved when the doorset is in the optimum locked condition, i.e. when all locking mechanisms fitted to the doorset are secured. Double leaf doorsets achieve at least a Security Rating A classification when placed in the minimum locked condition.
- Certification does not cover the use of locks other than those listed. Utilisation of unlisted locks may affect the level of security offered by the doorset.
- Access control locks must only be fail secure versions. The resistance of access control locks to “non-mechanical” attack has not been assessed because it is outside the scope of LPS 2081. Likewise, the approval does not cover possible effects of any susceptibilities relating to the functionality and performance of any ancillary equipment that may be used in conjunction with such hardware. It is therefore recommended that specifiers and installers satisfy themselves that the components used are either resistant to electronic methods of attack, or that they are suitably protected from such tampering/abuse and are resistant to any environmental conditions/interference that may cause the locking system to disengage.
- The door viewer must be positioned along the vertical centreline of the leaf and at least 1 m from floor level. Doorsets fitted with this accessory and a panic bar must incorporate a low level threshold.
- Doorsets fitted with a bolt-through pull handle must incorporate a low level threshold.
- Doorsets fitted with mechanically fixed fire signage must incorporate a low level threshold.
- Doorsets fitted with either a panic bar or push pad must incorporate a low level threshold.
- The vision panels and louvre vents are available in various sizes between 111 mm to 1000 mm wide and 312 mm to 1600 mm high. The quantity and position of the vision panels and louvre vents depends on the locking hardware fitted and use of other approved accessories e.g. a vision panel in the top half of the leaf and a louvre vent in the bottom half of the leaf would restrict the use of panic bars. Please refer to manufacturer for further details.

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