

Certificate of Product Approval

Certificate Number: 234d Part 1

Issue: 03

Sunray Engineering Limited

Kingsnorth Industrial Estate
Wotton Road
Ashford
Kent
TN23 6LL

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:

Products

ExecDoor 1

hinged security doorsets

Standard

LPS 1175: Issue 7

Requirements and testing procedures for the LPCB approval and listing of intruder resistant building components, strongpoints, security enclosures and free-standing barriers

This certificate and appendix is maintained and held in force through regular surveillance activities



Signed for LPCB

Paul Dillon
Verifier

20 November 2015
Date of Issue

08 January 2013
Date of First Issue



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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.
ExecDoor 1	Single leaf outward opening hinged security doorset	1.8	2.21	0.75	1.3	1	234d/17
	Single leaf outward opening hinged security doorset incorporating over panels ¹	2.29	3.21	0.75	1.3	1	
	Double leaf outward opening hinged security doorset ²	1.8	2.21	1.5	2.2	1	
	Double leaf outward opening hinged security doorset incorporating over panels ^{1,1}	2.29	3.21	1.5	2.2	1	

Approved Locking Configurations

LPCB Ref. No.	Product Name	Type	Compatible Locking Systems	
			Active Leaf	Passive Leaf
234d/17	ExecDoor 1	Single leaf outward opening hinged security doorset	1 to 9	N/A
	ExecDoor 1	Single leaf outward opening hinged security doorset incorporating over panels	1, 4 to 9	N/A
	ExecDoor 1	Double leaf outward opening hinged security doorset	1 to 5, 8 or 9	2 ³ , 3 ³ , 10 or 11
	ExecDoor 1	Double leaf outward opening hinged security doorset incorporating over panels	1, 4, 5, 8 or 9	10

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Compatible Locking Systems

Compatible Locking Systems	Manufacturer	Model	Type	Compatible Operating Devices		Compatible External Cylinders
				External Face	Internal Face	
1	Exidor	301	Mortice latch panic bar actuator ⁴	Key and 'D' pull handle (no lever handle fitted)	Panic bar ⁵	C
	Zero	7250	Mortice night latch			
	idc	200	External europrofile cylinder escutcheon			
2	Exidor	294	Two-point panic exit locking system ⁴	None	Panic bar	N/A
3	idc	737	Two-point panic exit locking system ⁴	None	Panic bar	N/A
4	Nemef	1749/47	Single-point emergency exit mortice sash lock	Key and 'D' pull handle (no lever handle fitted)	Handle	A or B
	Nemef	1742/09	Slave mortice deadbolts (two off)			
	idc	200	External europrofile cylinder escutcheon			
5	Nemef	1749/09	Single-point mortice sash lock	Key and handle	Key/thumbturn and handle	A or B
	Nemef	1742/09	Slave mortice deadbolts (two off)			
	idc	200	External europrofile cylinder escutcheon			
6	Nemef	1749/47	Single-point emergency exit mortice sash lock	Key and 'D' pull handle	Handle	A or B
	idc	200	External europrofile cylinder escutcheon			
7	Nemef	1749/09	Single-point mortice sash lock	Key and handle	Key/thumbturn and handle	A or B
	idc	200	External europrofile cylinder escutcheon			
8	Zero	7210	Single-point mortice sash lock	Key and handle	Key/thumbturn and handle	A or B
	idc	200	External europrofile cylinder escutcheon			

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Compatible Locking Systems	Manufacturer	Model	Type	Compatible Operating Devices		Compatible External Cylinders
				External Face	Internal Face	
9	Zero	7230	Single-point mortice dead lock	Key and 'D' pull handle	Key/thumbturn	A or B
	idc	200	External europrofile cylinder escutcheon			
10	idc	60MT	Monkey tail bolt	None	Bolt lever	N/A
11	Mazak	Z001.1S	Flush bolt	None	Bolt lever	N/A

Compatible Cylinders

Cylinder Reference	Manufacturer	Model	Type	'Plus' Rating ⁶
A	CISA	Astral S 35/35	Europrofile double cylinder (key:thumbturn)	+
B	CISA	Astral S 35/35	Europrofile double cylinder (key:key)	+
C	CISA	Astral 45 mm	Europrofile single cylinder	+

Accessories

Accessory	Description	Compatible Locking Systems
Door viewer	Door viewer located in the top half of the leaf	1 to 11
Fixed over panels	Fixed over panels, with over panel frame heights between 490 mm and 1000mm	1, 4 to 10
Removable over panels with removable transoms	Removable over panels with removable transoms, with over panel frame heights between 490 mm and 1000mm	1, 4 to 10
Hinged over panels with removable transoms	Hinged over panels with removable transoms, with over panel frame heights between 490 mm and 1000mm. Each hinged over panel leaf secured with two idc 60MT monkey tail bolts	1, 4 to 10
D pull handle	D pull handle	1 to 11

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Notes:

1. The maximum over panel height, measured between the centre of the transom and the top of the frame, is 1 m. The minimum over panel height is 0.49 m. The doorset fills the remaining structural opening aperture. The maximum and minimum heights of the doorset element, measured up to the centre of the transom, are the same as those noted for doorsets that do not incorporate over panels.
2. The ExecDoor 1 double leaf doorsets may incorporate leafs of equal or unequal width. Leafs of unequal width will comprise of an active leaf that is twice as wide as the passive leaf. The maximum leaf width is 1.35 m and the minimum leaf width is 0.5 m.
3. This locking system may only be used on the passive leaf if locking systems 1, 2 or 3 are used on the active leaf.
4. Locking systems 1, 2 and 3 may not comply with emergency escape regulations relating to potential panic situations if fitted to double leaf doorsets. This is because activation of the device on one leaf may not necessarily release the other leaf and in some cases may not release the leaf to which it is fitted.
5. Although outside the scope of LPS 1175: Issue 7, special consideration should be paid to the use of panic exit systems incorporating multiple devices. This is because the force required to operate the panic bar actuator and release the locking system may exceed that specified in BS EN 1125 and/or BS EN 179.
6. A 'Plus' rating demonstrates the cylinder meets the requirements defined in Annex A of BS 3621:2007 or manipulation resistance class '1' defined in LPS 1242: Issue 2.
7. This approval covers the ExecDoor 1 doorsets with bolted or pre-fabricated frame options.

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