

Certificate of Product Approval

Certificate Number: 234b

Issue: 12

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

Fire Doorsets

ExcluDoor 4
ExcluDoor 4 Mk2 FR
ExcluDoor 3 Mk3 FR

Standards

LPS 1056: Issue 6.1

Test and Evaluation Requirements for the LPCB
Approval and Listing of Fire Doorsets, Lift Landing
Doors and Shutters

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Damien Ward

Signed for LPCB

Damien Ward

Certification Scheme Manager

20 October 2014

Date of Issue

17 September 2001

Date of First Issue



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Appendix to Certificate No: 234b SUNRAY ENGINEERING LIMITED

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Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m²)	Vision panel glass type	Vision panel maximum clear view height (mm)	Vision panel maximum clear view width (mm)	Vision panel maximum clear view area (m²)	Fire resistance (min) BS 476: Part 22 Integrity / Insulation	LPCB Ref. No.
ExcluDoor 4	Single-leaf hinged door	2.250	1.050	2.400	-	-	-	-	30/0	234b/01
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.702	1.328	3.25	-	-	-	-	180/0	234b/02
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.350	1.155	2.71	-	-	-	-	240/0	234b/02
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/02
ExcluDoor 4 Mk2 FR	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/03
ExcluDoor 4 Mk2 FR	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240/0	234b/03
ExcluDoor 4 Mk2 FR	Unequal width Double-leaf hinged door	2.702	≤1.328	≤3.25	ExcluGlass 4 Vision Panel	280	380	0.1064	60/0	234b/03
ExcluDoor 4 Mk2 FR	Unequal width Double-leaf hinged door	2.702	≤1.328	≤3.25	-	-	-	-	240/0	234b/03

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Notes:

For BS476: Part 22 applications

1. LPCB Ref No. 234b/01, 234b/02 and 234b/03 are also certificated to Security Rating 4 against the requirements of LPS 1175.
2. Sunray Engineering Limited is also approved to LPS 1271 for installation of fire and security doors, see approval for details.
3. LPCB Ref No. 234b/02 and 264b/03 Doorsets are approved to withstand a fire exposure to the closing side only as detailed in BRE Assessment Report CC 285805B.
4. LPCB Ref No. 234b/02 and 234b/03 may be fitted with one or more Eurospec SWE1010 stainless steel door viewers.
5. LPCB Ref No. 234b/02 and 234b/03 the ExcluDoor 4 Mk2, double-leaf doorset, may have a vision panel installed in either the passive or the active leaf.

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Product Name	Door Type	Max Height (m)	Max Width (m)	Max Area (m²)	Vision panel glass type	Vision panel maximum clear view height (mm)	Vision panel maximum clear view width (mm)	Vision panel maximum clear view area (m²)	Fire resistance (min) EN 1634-1: 2008 Integrity / Insulation	LPCB Ref. No.
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.702	1.328	3.25	-	-	-	-	180/0	234b/02
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.350	1.155	2.71	-	-	-	-	240/0	234b/02
ExcluDoor 4 Mk2 FR	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/02
ExcluDoor 4 Mk2 FR	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/03
ExcluDoor 4 Mk2 FR	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240/0	234b/03
ExcluDoor 4 Mk2 FR	Unequal with Double-leaf hinged door	2.702	≤1.328	≤3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/03
ExcluDoor 4 Mk2 FR	Unequal width Double-leaf hinged door	2.702	≤1.328	≤3.25	-	-	-	-	240/0	234b/03

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ExcluDoor 3 Mk3 FR	Single-leaf hinged door	2.702	1.328	3.25	-	-	-	-	180/0	234b/04
ExcluDoor 3 Mk3 FR	Single-leaf hinged door	2.350	1.155	2.71	-	-	-	-	240/0	234b/04
ExcluDoor 3 Mk3 FR	Single-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/04
ExcluDoor 3 Mk3 FR	Double-leaf hinged door	2.702	1.328	3.25	-	-	-	-	240/0	234b/05
ExcluDoor 3 Mk3 FR	Double-leaf hinged door	2.702	1.328	3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/05
ExcluDoor 3 Mk3 FR	Unequal width Double-leaf hinged door	2.702	≤1.328	≤3.25	-	-	-	-	240/0	234b/05
ExcluDoor 3 Mk3 FR	Unequal width Double-leaf hinged door	2.702	≤1.328	≤3.25	ExcluGlass 4 Vision panel	280	380	0.1064	60/0	234b/05

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Notes: For EN 1634-1:2008 applications

1. LPCB Ref No. 234b/02, 234b/03, 234b/04 and 234b/05 Doorsets may be fitted with a plain outer face so that there is not method of external access.
2. LPCB Ref No. 234b/02, 234b/03, 234b/04 and 234b/05 are also certified to Security Rating 4 against the requirements of LPS 1175.
3. Sunray Engineering Limited is also approved to LPS 1271 for installation of fire and security doors see approval listing for details.
4. LPCB Ref No. 234b/02, 234b/03, 234b/04 and 234b/05 doorsets are approved to withstand a fire exposure to the closing side only as detailed in BRE Assessment CC 285805A.
5. LPCB Ref No. 234b/02, 234b/03, 234b/04 and 234b/05 may be fitted with one or more Eurospec SWE 1010 stainless steel door viewers.
6. LPCB Ref No. 234b/02, 234b/03, 234b/04 and 234b/05 the Excludoor 4 Mk2, double-leaf doorsets, may only have the vision panel installed in the active leaf.
7. LPCB Ref No. 234b/02, 234b/03, 234b/04 and 234b/05 Doorsets are approved with the following Surelock Slimline three-point lock systems as shown below:

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Description	Code	Entry			Exit				
		Key	Access control	Combination	Key	Turnknob	Access control	Panic	Emergency
3-point bolting	SL304	*						√	
3-point bolting	SL305	*							√
3-point deadlocking	SL301	√			√			√	
3-point deadlocking	SL303					√		√	
3-point deadlocking	SL310	√							
3-point deadlocking	SL311	√			√			√	
3-point deadlocking	SL313	√				√		√	
3-point deadlocking	SL314	√						√	
3-point deadlocking	SL315	√							√
3-point deadlocking	SL320	*	√						
3-point deadlocking	SL321	*	√		√	√	√	√	
3-point deadlocking	SL322	*	√				√		
3-point deadlocking	SL323	*	√			√	√	√	
3-point deadlocking	SL324	*	√					√	
3-point deadlocking	SL325	*	√						√
3-point deadlocking	SL330			√					
3-point deadlocking	SL335			√					√

√ - included as standard

* - optional enhancement

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