

## Certificate of Product Approval

Certificate Number: 234f

Issue: 05

### 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

ExcluLouvre® Door 2  
ExcluLouvre® Door 3  
hinged louvred 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

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Signed for LPCB

Paul Dillon  
Verifier

09 October 2015  
Date of Issue

22 April 2013  
Date of First Issue



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## Appendix to Certificate No: 234f Sunray Engineering Limited

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### Hinged Louvred 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.
ExcluLouvre® Door 3	Single leaf outward opening hinged louvred doorset	1.0	2.4	0.43	1.5	3	234f/01
	Double leaf outward opening hinged louvred doorset <sup>1</sup>	1.0	2.4	0.73	2.4	3	
ExcluLouvre® Door 2	Single leaf outward opening hinged louvred doorset	1.0	2.7 <sup>2</sup>	0.43	1.5	2	234f/02
	Double leaf outward opening hinged louvred doorset <sup>1</sup>	1.0	2.7 <sup>2</sup>	0.73	2.4	2	

### Approved Locking Configurations

Product Name	Type	Compatible Locking Systems	
		Active Leaf	Passive Leaf
ExcluLouvre® Door 3	Single leaf outward opening hinged louvred doorset	1, 3 to 10	N/A
	Double leaf outward opening hinged louvred doorset	1, 3 to 10	14
ExcluLouvre® Door 2	Single leaf outward opening hinged louvred doorset	2, 3 to 7, 11 to 13	N/A
	Double leaf outward opening hinged louvred doorset	2, 3 to 7, 11 to 13	15

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## Appendix to Certificate No: 234f Sunray Engineering Limited

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### Compatible Locking Systems

Compatible Locking Systems	Manufacturer	Model	Type	Compatible Operating Devices		Compatible Cylinders / Padlocks
				External Face	Internal Face	
1	Tindall Engineering Limited	Hasp and staple SR3	Padlockable handle and staple fitted with a three point bolting system	Padlockable handle	N/A	b to f
2	Tindall Engineering Limited	Hasp and staple SR2	Padlockable handle and staple fitted with a three point bolting system	Padlockable handle	N/A	a to h
3	Surelock McGill Limited	Slimline SL301	Three-point auto-deadlocking locking system	None	Internal key and handle	N/A
4	Surelock McGill Limited	Slimline SL311-P	Three-point auto-deadlocking locking system	Key and handle	Internal key and handle	A to H
5	Surelock McGill Limited	Slimline SL311-P-K0	Three-point manual deadlocking locking system	Key and handle	Internal key and handle	A to H
6	Surelock McGill Limited	Slimline SL311-P-H3-K0	Three-point manual deadlocking locking system	Key and handle	Push pad deadlocked by a key	A to H
7	Surelock McGill Limited	Slimline SL311-P-H6-K0	Three-point manual deadlocking locking system	Key and handle	Full width push pad deadlocked by a key	A to H
8	Surelock McGill Limited	S-11716 or S-11716-0001 <sup>3</sup> and Mico SR3 hasp and staple	Three-point auto-deadlocking locking system with external padlockable handle and staple	Padlockable handle	Key and lever handle	b to f
9	Surelock McGill Limited	S-11718 and Mico SR3 hasp and staple	Three-point auto-deadlocking locking system with external padlockable handle and staple	Padlockable handle	Push pad deadlocked by a key	b to f
10	Surelock McGill Limited	S-11717 and Mico SR3 hasp and staple	Three-point auto-deadlocking locking system with external padlockable handle and staple	Padlockable handle	Full width push pad deadlocked by a key	b to f

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Compatible Locking Systems	Manufacturer	Model	Type	Compatible Operating Devices		Compatible Cylinders / Padlocks
				External Face	Internal Face	
11	Surelock McGill Limited	S-11716 or S-11716-0001 <sup>3</sup> and Mico SR2 hasp and staple	Three-point auto-deadlocking locking system with external padlockable handle and staple	Padlockable handle	Key and lever handle	a to h
12	Surelock McGill Limited	S-11718 and Mico SR2 hasp and staple	Three-point auto-deadlocking locking system with external padlockable handle and staple	Padlockable handle	Push pad deadlocked by a key	a to h
13	Surelock McGill Limited	S-11717 and Mico SR2 hasp and staple	Three-point auto-deadlocking locking system with external padlockable handle and staple	Padlockable handle	Full width push pad deadlocked by a key	a to h
14	Sunray	Surface-mounted drop bolts	Two surface mounted drop bolts	N/A	Two drop bolts	N/A
15	Stedall	Spring-loaded drop bolt	Two surface mounted drop bolts	N/A	Two drop bolts	N/A

### Compatible Cylinders

Cylinder Reference	Manufacturer	Model	Type	'Plus' Rating <sup>4</sup>
A	Abloy	CY405 Disklock Pro (DP)	Rim cylinder	+
B	Abloy	CY405 ProTec (PT)	Rim cylinder	+
C	Assa	4857	Rim cylinder	+
D	Assa	C5857	Rim cylinder	+
E	Bramah	C17	Rim cylinder	
F	Kaba	K20	Rim cylinder	
G	Kaba	Quattro PluS	Rim cylinder	+
H	Medico	M3ARX	Rim cylinder	+

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*P. Dillon*

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### Compatible Padlocks

Padlock Reference	Manufacturer	Model	Cylinders	'Plus' Rating <sup>4</sup>
a	Abloy	PL342 <sup>6</sup>	Abloy Disklock Pro	+
			Abloy Exec	+
			Abloy High Profile	+
			Abloy Novel	+
			Abloy Protec1	+
			Abloy Protec2	+
			Abloy Sentry	+
b	Abloy	PL340 <sup>6</sup>	Abloy Disklock Pro	+
			Abloy Exec	+
			Abloy High Profile	+
			Abloy Novel	+
			Abloy Protec1	+
			Abloy Protec2	+
			Abloy Sentry	+
c	Abloy	PL350 <sup>6</sup>	Abloy Disklock Pro	+
			Abloy Exec	+
			Abloy High Profile	+
			Abloy Novel	+
			Abloy Protec1	+
			Abloy Protec2	+
			Abloy Sentry	+
			Abloy Disklock Pro	+
d	Kaba	KP18	Kaba K20	
e	Squire	SS65S LEV3	Squire 6 pin	
f	Squire	SS65 M3ARX LEV3	Medico M3 ARX	+
g	Squire	SS50S	Squire 6 pin	
h	Squire	SS50 M3ARX	Medico M3 ARX	+

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### Compatible Substrates

Substrate	Product Name	
	ExcluLouvre <sup>®</sup> Door 3	ExcluLouvre <sup>®</sup> Door 2
Brickwork	3	3
Blockwork	3	3
Concrete	3	3
Structural Steelwork	3	3
Structural Timber	3	3
ExcluLouvre <sup>®</sup> 3 Louvre Panel System	3	
ExcluLouvre <sup>®</sup> 2 Louvre Panel System		3

### Notes:

1. The ExcluLouvre Door 2 and ExcluLouvre Door 3 double leaf doorsets can be produced with leaves of unequal width. The maximum leaf width approved is 1.25 m. The minimum leaf width approved is 0.3 m.
2. The maximum height of ExcluLouvre<sup>®</sup> Door 2 doorsets incorporating compatible locking systems 3 to 7 and 11 to 13 is 2.4 m.
3. The only difference between the S-11716 and S-11716-0001 and locking systems is that the S-11716 is supplied with a silver coloured handle and the S-11716-0001 is supplied with a green coloured handle. The functionality of those locks is identical.
4. The 'Plus' rating indicates the cylinder meets the requirements defined in Annex A of BS 3621: 2007 or manipulation resistance class '1' defined in LPS 1242: Issue 2.
5. The resistance of the mechatronic cylinders to 'non-mechanical' attack has not been assessed as it is outside the scope of LPS 1175. Likewise, the approval does not cover possible effects of any susceptibilities relating to the functionality and performance of ancillary equipment that may be used in conjunction with those cylinders. It is therefore recommended that specifiers 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.
6. The compatible Abloy padlocks are approved for use when bearing an alpha-numeric code denoting the date of manufacture as December 2013 or later. Alternatively, the V01 version of the equivalent padlock may be used without undermining the security rating.

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