

## Certificate of Product Approval

Certificate Number: 234i

Issue: 02

### 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

ExcluWall Walling System 2  
ExcluWall Walling System 3  
secure partition walling system

#### 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

*P. Dillon*

Signed for LPCB

Paul Dillon  
Verifier

09 October 2015  
Date of Issue

09 June 2015  
Date of First Issue



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## Appendix to Certificate No: 234i

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Sunray Engineering Limited

Secure Partition Walling System<sup>1</sup>

Product Name	Product Type	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)	Security Rating	LPCB Ref. No.
ExcluWall Walling System 2	Partition formed from louvred wall panels supported by existing adjacent walls <sup>2</sup>	0.715 <sup>3</sup>	5.0	0.315 <sup>4</sup>	Unlimited	2	234i/01
ExcluWall Walling System 3	Partition formed from louvred wall panels supported by existing adjacent walls <sup>2</sup>	0.715 <sup>3</sup>	5.0	0.315 <sup>4</sup>	Unlimited	3	234i/02

### System Components

Product Name	Component						
	Name	Type	LPCB Ref. No. <sup>5</sup>	Minimum Height (m)	Maximum Height (m)	Minimum Width (m)	Maximum Width (m)
ExcluWall Walling System 2	ExcluLouvre 2	Fixed louvre panel	234g/01	0.715	5.0 <sup>6</sup>	0.315	2.5
	ExcluLouvre Door 2	Single leaf outward opening hinged louvred doorset	234f/02	1.0	2.7 <sup>7</sup>	0.43	1.5
		Double leaf outward opening hinged louvred doorset	234f/02	1.0	2.7 <sup>7</sup>	0.73	2.4
	ExecDoor 2 <sup>8</sup>	Single leaf outward opening hinged security doorset	234d/03	1.8	2.2	0.75	1.3
		Double leaf outward opening hinged security doorset	234d/04	1.8	2.2	1.5	2.5
ExcluWall Walling System 3	ExcluLouvre 3	Fixed louvre panel	234g/02	0.715	5.0 <sup>6</sup>	0.315	2.5
	ExcluLouvre Door 3	Single leaf outward opening hinged louvred doorset	234f/01	1.0	2.4	0.43	1.5
		Double leaf outward opening hinged louvred doorset	234f/01	1.0	2.4	0.73	2.4
	ExcluDoor 3 Mk2 <sup>8</sup>	Single leaf outward opening hinged security doorset	234d/01	1.8	3.075 <sup>7</sup>	0.75	1.24
		Double leaf outward opening hinged security doorset	234d/02	1.8	3.075 <sup>7</sup>	1.24	2.4
		Single leaf inward opening hinged security doorset	234d/21	1.8	3.075 <sup>7</sup>	0.75	1.24
		Double leaf inward opening hinged security doorset	234d/26	1.8	3.075 <sup>7</sup>	1.24	2.4

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*P. Dillon*

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## Appendix to Certificate No: 234i

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#### Notes:

1. The ExcluWall Walling System must be installed in accordance with the following approved manuals:
  - ExcluLouvre Door – Instructions for Safety, Handling, Storage, Installation & Maintenance (revision 2, dated 31 March 2015).
  - ExcluLouvre – Instructions for Safety, Handling, Storage, Installation & Maintenance (revision 2, dated 31 March 2015).
2. The walling system can only be constructed as a straight walling system.
3. The minimum height of the walling system incorporating doorsets is equal to the minimum height of the compatible doorset listed.
4. The minimum width of the walling system incorporating single leaf doorsets is 0.745 m. The minimum width of the walling system incorporating double leaf doorsets is 1.045 m.
5. The approval certificates referred to are 234d Part 2 (Issue 04), 234d Part 3 (Issue 05), 234f (Issue 05) and 234g (Issue 02).
6. When the fixed louvre panel is used above a doorset (i.e. as an overpanel) the maximum height of the fixed louvre panel is 5.0 m minus the height of the doorset.
7. This dimension can only be achieved when certain compatible locking systems are used. Refer to the notes within the relevant certificate/ Red Book entries for details of the restrictions.
8. This doorset is only compatible with the relevant ExcluWall Walling System when the doorset is fitted with a compatible internally key-driven locking system. Refer to the appropriate LPCB certificate listed for full details of the doorset.

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