

## Certificate of Product Approval

Certificate Number: 234g

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

**ExcluLouvre® 2**  
**ExcluLouvre® 3**  
fixed louvre panel systems

#### Standards

**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

06 March 2017  
Date of Issue

22 April 2013  
Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



**bre**

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

Issue: 03

### Louvre Vents

Product Name	Type	Minimum Structural Opening Height (m) <sup>1</sup>	Maximum Structural Opening Height (m) <sup>1</sup>	Minimum Structural Opening Width (m) <sup>1</sup>	Maximum Structural Opening Width (m) <sup>1</sup>	Security Rating	LPCB Ref. No.
ExcluLouvre® 2	Fixed louvre panel system	0.415	5.0	0.315	Unlimited	2	234g/01
ExcluLouvre® 3	Fixed louvre panel system	0.415	5.0	0.315	Unlimited	3	234g/02

### Compatible Substrates<sup>2</sup>

Product Name	Substrate				
	Blockwork	Concrete	Structural Brickwork	Structural Steelwork	Structural Timber
ExcluLouvre® 2	✓	✓	✓	✓	✓
ExcluLouvre® 3	✓	✓	✓	✓	-

#### Notes:

1. The minimum and maximum widths of individual louvre assembly panel frames used to form the louvre panel system are 0.315 m and 2.5 m respectively, while the minimum and maximum heights of the individual louvre panels used to form the system are 0.415 m and 5.0 m respectively.
2. The approval covers either individual louvre panels or a series of two or more louvre panels coupled together in the horizontal plane installed within a reveal formed from one or more of the substrates listed.

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

*P. Dillon*

Signed for LPCB

Paul Dillon  
Verifier

06 March 2017  
Date of Issue

22 April 2013  
Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).

To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR Tag or contact us.

LPCB is part of BRE Global Ltd., Garston, Watford WD25 9XX.

T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [Enquiries@breglobal.com](mailto:Enquiries@breglobal.com)



bre