

Certificate of Product Approval

Certificate Number: 234h

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

ExcluGrille 3 and ExcluGrille 4
fixed security barsets

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

09 April 2015
Date of Issue

10 November 2014
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).

To check the validity of this certificate and appendix please visit 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



Appendix to Certificate No: 234h Sunray Engineering Limited

Issue: 02

Fixed Security Barsets

| 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. |
|---------------|-------------------------------------|---------------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-----------------|---------------|
| ExcluGrille 3 | Internal face fixed security barset | 0.325 | 2.5 | 0.325 | 3.0 | 3 | 234h/01 |
| | External face fixed security barset | 0.325 | 2.5 | 0.325 | 3.0 | 3 | |
| | Reveal mounted security barset | 0.370 | 2.5 | 0.325 | 3.0 | 3 | |
| ExcluGrille 4 | Internal face fixed security barset | 0.475 ¹ | 2.5 | 0.325 | 3.0 | 4 | 234h/02 |
| | External face fixed security barset | 0.475 ¹ | 2.5 | 0.325 | 3.0 | 4 | |
| | Reveal mounted security barset | 0.685 | 2.5 | 0.685 | 3.0 | 4 | |

Notes:

1. The minimum structural opening height for the ExcluGrille 4 barsets when internally or externally face fitted on to reinforced brickwork/blockwork and reinforced concrete substrates is 0.475 m. The minimum structural opening height for the ExcluGrille 4 barsets when internally or externally face fitted on to steelwork substrates is 0.575 m.
2. The ExcluGrille barsets are approved when installed in accordance with the instructions detailed on the document entitled 'Instructions for Safety, Handling, Storage, Installation and Maintenance' (revision 4 dated 4 November 2014).

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



Signed for LPCB

Paul Dillon
Verifier

09 April 2015
Date of Issue

10 November 2014
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).

To check the validity of this certificate and appendix please visit 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


