

## NBS SPECIFICATION – ‘SOLUS’ SMOKE RELEASE HATCH



### TESTED AND MANUFACTURED TO BS EN 12101 – 2 AT SP SWEDEN

<b>MANUFACTURER:</b>	Lareine Engineering Ltd, Unit 1, Armadale Industrial Estate, Armadale, West Lothian EH48 2ND E Mail: <a href="mailto:info@lareineengineering.com">info@lareineengineering.com</a> Website: <a href="http://www.lareineengineering.co.uk">www.lareineengineering.co.uk</a> Tel: 01501 731600/731699 Fax: 01501 733828
<b>PRODUCT REFERENCE:</b>	‘Solus’ Smoke Release Hatch
<b>TYPE:</b>	Hatches suitable for all types of flat/pitched roofs. They have been tested and are classed as Non Fragile Class B to ACR (M) 001:2005 Test for Fragility of Roofing Assemblies.
<b>FRAME:</b>	Aluminium, aluminium to BS 1474:1987 Alloy 6063-T6
<b>FINISH:</b>	Mill Finish/Polyester Powder Coated.
<b>COLOUR:</b>	Polyester powder coated to BS EN 12206:2004 Part 1 Interpon D1036 Standard RAL colour.
<b>KERB:</b>	<p><b><u>FR 1</u></b> Lareine Engineering proprietary aluminium upstand 400mm high. This kerb is painted white internally. The upstand is insulated externally using 50mm Rockwool insulation, with insulation encapsulated in aluminium. Depth of upstand can be changed to suit your particular requirements.</p> <p><b><u>BU 1</u></b> Lareine Engineering proprietary aluminium upstand 200mm high. This kerb is painted white internally. The upstand is insulated externally using 50mm Rockwool insulation, with insulation encapsulated in aluminium. The flange width can be modified to meet your needs.</p>
<b>LID:</b>	<p><b>TYPE A</b> Insulated aluminium lid to open 140°</p> <p><b>TYPE B</b> Double glazed glass lid to open 140° comprising 8.0mm clear toughened outer, 16mm air gap, 6.4mm low ‘E’ laminate inner.</p> <p><b>TYPE C</b> Clear or opal non fragile UV protected polycarbonate dome lid to open 140°.</p> <p><b>(DUE TO BUILDING REGULATIONS THIS TYPE IS NOT AVAILABLE FOR SCOTLAND)</b></p>
<b>FRAGILITY:</b>	They have been tested and are classed as <b>NON-FRAGILE</b> Class B to ACR (M) 001:2014 Test for non-fragility of profiled sheeted and large element roofing assemblies. (Fifth edition)
<b>TESTED/MANUFACTURED TO:</b>	All Rooflights and Smoke Hatches are tested, manufactured & certificated to: BS EN 6375 -1:2009 Weather Tightness BS EN 1026/12207:2000 Air Permeability BS EN 1873/12208:2000 Water Tightness BS EN 12210:2000 Wind Resistance BS EN 1991-1 Snow Load BS EN ISO 140 Acoustic BS EN 167-1630 Security
<b>SMOKE TEST:</b>	To BS EN 12101-2 at SP Sweden Conformity Certificate 0402-CPR-SC0052-14 0402-CPR-SC0052-51
<b>‘U’ VALUE:</b>	50mm Insulation with a ‘U’ Value 0.25 W/m <sup>2</sup> K. Overall ‘U’ Value 0.70 W/m <sup>2</sup> K.
<b>SIZE:</b>	1050mm x 1050mm (1m <sup>2</sup> ) or other dimensions to meet your requirements.
<b>OPERATION:</b>	24 Volt high temperature linear actuators.
<b>OTHER REQUIREMENTS:</b>	Control panel with 240V/24V transformer, 75 Hr battery backup in event of mains failure. Battery trickle charged to ensure 100% charge. Single zone with 1 Fireman’s switch. Additional switch at top landing if required.

**FITTED TO MANUFACTURERS WRITTEN INSTRUCTIONS.**