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Agrément Certificate
05/4247
Product Sheet 1

EASYVENT

EASYVENT LOFT VENTS

PRODUCT SCOPE AND SUMMARY OF CERTIFICATE

This Certificate relates to Easyvent Loft Vent, for use in traditional roof constructions with unsupported membranes to provide remedial ventilation via the batten cavity to enhance the ventilation provided by traditional eaves ventilation. They are for use in conjunction with conventional roofing components. The components of the vent are assembled on site.

AGRÉMENT CERTIFICATION INCLUDES:

- factors relating to compliance with Building Regulations where applicable
- factors relating to additional non-regulatory information where applicable
- independently verified technical specification
- assessment criteria and technical investigations
- design considerations
- installation guidance
- regular surveillance of production
- formal three-yearly review.



KEY FACTORS ASSESSED

Condensation — the product contributes to limit the risk of interstitial condensation (see section 5).

Weathertightness — use of the product will not affect the ability of a roof to comply with national Building Standards (see section 6).

Durability — the product has a life equivalent to other components of the roof (see section 10). The spring may need to be replaced within the life of the vent, particularly when exposed to aggressive environments, such as coastal or industrial locations.

The BBA has awarded this Agrément Certificate to the company named above for the product described herein. This product has been assessed by the BBA as being fit for its intended use provided it is installed, used and maintained as set out in this Certificate.

On behalf of the British Board of Agrément

Handwritten signature of Sean Moriarty in black ink.

Sean Moriarty

Head of Approvals — Physics

Handwritten signature of Greg Cooper in black ink.

Greg Cooper

Chief Executive

Date of First issue: 9 January 2012

Originally certified on 28 June 2005

The BBA is a UKAS accredited certification body — Number 113. The schedule of the current scope of accreditation for product certification is available in pdf format via the UKAS link on the BBA website at www.bbacerts.co.uk

Readers are advised to check the validity and latest issue number of this Agrément Certificate by either referring to the BBA website or contacting the BBA direct.

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Regulations

In the opinion of the BBA, Easyvent Loft Vent, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant requirements of the following Building Regulations:



The Building Regulations 2010 (England and Wales)

Requirement:	C2(b)	Resistance to moisture
Comment:		The product will not affect a roof to satisfying this requirement. See section 6.1 of this Certificate.
Requirement:	C2(c)	Resistance to moisture
Comment:		The product can contribute to meeting this requirement. See section 5.1 of this Certificate.
Requirement:	Regulation 7	Materials and workmanship
Comment:		The product is acceptable. See section 10 and the <i>Installation</i> part of this Certificate.



The Building (Scotland) Regulations 2004 (as amended)

Regulation:	8(1)(2)	Fitness and durability of materials and workmanship
Comment:		The product is acceptable. See sections 9.1, 9.2 and 10 and the <i>Installation</i> part of this Certificate.
Regulation:	9	Building standards – construction
Standard:	3.10	Precipitation
Comment:		The product will not affect the ability of a roof to satisfy this Standard, with reference to clauses 3.10.1 ⁽¹⁾⁽²⁾ . See section 6.1 of this Certificate.
Standard:	3.15	Condensation
Comment:		The product can contribute to satisfying this Standard, with reference to clauses 3.15.0 ⁽¹⁾⁽²⁾ , 3.15.1 ⁽¹⁾⁽²⁾ , 3.15.3 ⁽¹⁾⁽²⁾ , 3.15.4 ⁽¹⁾⁽²⁾ , 3.15.5 ⁽¹⁾⁽²⁾ and 3.15.6 ⁽¹⁾⁽²⁾ . See section 5.1 of this Certificate.
Regulation:	9	Building standards – conversions
Comment:		All comments given for this product under Regulation 9, also apply to this Regulation with reference to clause 0.12.1 ⁽¹⁾⁽²⁾ and Schedule 6 ⁽¹⁾⁽²⁾ . (1) Technical Handbook (Domestic). (2) Technical Handbook (Non-Domestic).



The Building Regulations (Northern Ireland) 2000 (as amended)

Regulation:	B2	Fitness of materials and workmanship
Comment:		The product is acceptable. See section 10 and the <i>Installation</i> part of this Certificate.
Regulation:	B3(2)	Suitability of certain materials
Comment:		The product is acceptable. See sections 9.1 and 9.2 of this Certificate.
Regulation:	C4(b)	Resistance to ground moisture and weather
Comment:		The product will not affect the ability of a roof to satisfy this Regulation. See section 6.1 of this Certificate.
Regulation:	C5	Condensation
Comment:		The product can contribute to meeting this Regulation. See section 5.1 of this Certificate.

Construction (Design and Management) Regulations 2007

Construction (Design and Management) Regulations (Northern Ireland) 2007

In the opinion of the BBA, there is no information in this Certificate which relates to the obligations of the client, CDM co-ordinator, designer and contractors under these Regulations.

Non-regulatory Information

NHBC Standards 2011

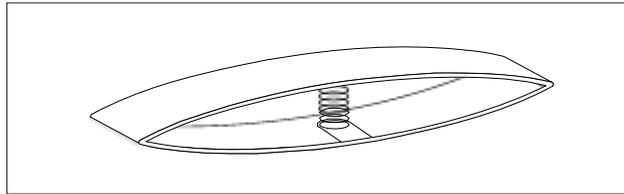
NHBC accepts the product as a means of meeting the ventilation requirement in Clauses 7.2-D11(a) and S11(a) when used with vapour permeable underlays.

Technical Specification

1 Description

1.1 Easyvent Loft Vents (345 mm by 65 mm) are manufactured from polypropylene using an injection moulding process and comprise a bracing device incorporating a steel spring, held in position by a polypropylene strip (see Figure 1).

Figure 1 Easyvent Loft Vent



1.2 The product is for use in traditional roof construction to enhance roof space ventilation.

2 Delivery and site handling

2.1 The product is packaged complete with installation instructions.

2.2 Each package bears the manufacturer's name and the BBA identification mark incorporating the number of this Certificate.

Assessment and Technical Investigations

The following is a summary of the assessment and technical investigations carried out on Easyvent Loft Vent.

Design Considerations

3 Use

The product enhances roof space ventilation in tiled and slated pitched roof constructed in accordance with the relevant clauses of BS 5534 : 2003.

4 Practicability of installation

4.1 The product is designed to be installed by a competent general builder, or a contractor, experienced with this type of product.

4.2 Installation of the product can be easily achieved under normal site conditions either during roof construction and more specifically, after or during the slating/ tiling operation or, in existing roofs from inside the loft (see section 12.2).

5 Condensation



5.1 When installed according to the Certificate holder's instructions, the product will enable air transfer between the ventilated void above the roof tile underlay and the loft space and assist in decreasing the risk of condensation.

5.2 The geometric area of the vent will depend on the degree of compression of the spring and spacing between vents should be calculated to achieve the appropriate ventilation opening in BS 5250 : 2002 (see Table 1).

Table 1 Typical geometric areas of Easyvent Loft Vent and spacing (m) for 5 mm equivalent continuous openings

Degree of compression	Geometric area (mm ²)	Easyvent Loft Vent spacing (m) for 5 mm equivalent continuous openings
Fully open	12893	2.58
50% open	6484	1.30
Fully compressed	1815	0.36

5.3 In still air conditions, convection due to temperature effects will ensure that the airflow continues.

6 Weathertightness



6.1 The weathertightness of a traditionally tiled or slated roof will not be adversely affected by the introduction of the product provided an adequate lap is maintained.

6.2 In severe weather conditions, ie driving rain or snow, it is recommended that the loft space is checked for signs of water ingress.

7 Strength and stability

The product has adequate strength to resist damage during site handling or installation.

8 Behaviour in relation to fire

The introduction of the product in traditional roof constructions using clay or concrete roof tiles or slates does not affect the rating for such constructions.

9 Maintenance



9.1 Though the risk of blockage is minimal, the vents should be examined occasionally and cleaned if necessary from inside if practicable.

9.2 Periodic inspections should be carried out to maintain correct positioning of the vents. Damaged vents must be replaced.

9.3 The product does not incorporate an insect grille and the loft space should be periodically checked for signs of infestation.

10 Durability



The product is durable and will have a service life comparable to that of other roofing components providing periodic inspections are carried out (see section 9). The spring may need to be replaced within the life of the vent, particularly when exposed to aggressive environments, such as coastal or industrial locations.

Installation

11 General

11.1 Installation of the Easyvent Loft Vent must be in accordance with the Certificate holder's instructions (see also Figure 2).

11.2 Installation of the product can be readily achieved under normal site conditions in existing roofs from inside the loft.

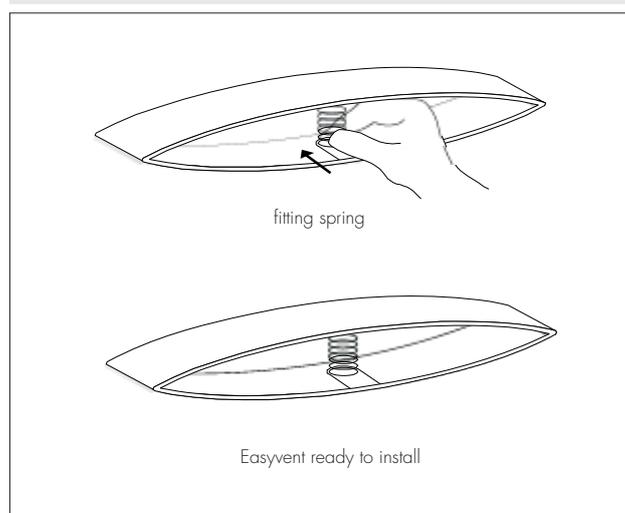
12 Procedure

12.1 The product is supplied with a bracing spring. The spring must be fitted into the product and the retaining polypropylene strip located around the spring before the product is installed into the roof tile underlay lap space.

12.2 The product is installed by inserting between the lap of the roof tile underlay. The product is held open with a steel spring that is fitted into a slot in the Easyvent Loft Vent and fixed in place with a strip of polypropylene that prevents the vent from slipping into the space between the laps.

12.3 Care should be taken to ensure that the felt is not in contact with the underside of the roof tiles.

Figure 2 Installation



13 Investigations

- 13.1 The manufacturing process was examined, including the methods adopted for quality control and details were obtained of the materials used.
- 13.2 A survey of users/specifiers was conducted to assess the performance of the product in service.
- 13.3 An evaluation was made of the geometric area of the product.
- 13.4 An evaluation was made of durability of the material during the original assessment of the product.

Bibliography

- BS 5250 : 2002 *Code of practice for control of condensation in buildings*
- BS 5534 : 2003 *Code of practice for slating and tiling (including shingles)*

14 Conditions

14.1 This Certificate:

- relates only to the product/system that is named and described on the front page
- is issued only to the company, firm, organisation or person named on the front page — no other company, firm, organisation or person may hold or claim that this Certificate has been issued to them
- is valid only within the UK
- has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective
- is copyright of the BBA
- is subject to English Law.

14.2 Publications, documents, specifications, legislation, regulations, standards and the like referenced in this Certificate are those that were current and/or deemed relevant by the BBA at the date of issue or reissue of this Certificate.

14.3 This Certificate will remain valid for an unlimited period provided that the product/system and its manufacture and/or fabrication, including all related and relevant parts and processes thereof:

- are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA
- continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine
- are reviewed by the BBA as and when it considers appropriate.

14.4 The BBA has used due skill, care and diligence in preparing this Certificate, but no warranty is provided.

14.5 In issuing this Certificate, the BBA is not responsible and is excluded from any liability to any company, firm, organisation or person, for any matters arising directly or indirectly from:

- the presence or absence of any patent, intellectual property or similar rights subsisting in the product/system or any other product/system
- the right of the Certificate holder to manufacture, supply, install, maintain or market the product/system
- individual installations of the product/system, including their nature, design, methods, performance, workmanship and maintenance
- any works and constructions in which the product/system is installed, including their nature, design, methods, performance, workmanship and maintenance
- any loss or damage, including personal injury, howsoever caused by the product/system, including its manufacture, supply, installation, use, maintenance and removal.

14.6 Any information relating to the manufacture, supply, installation, use, maintenance and removal of this product/system which is contained or referred to in this Certificate is the minimum required to be met when the product/system is manufactured, supplied, installed, used, maintained and removed. It does not purport in any way to restate the requirements of the Health and Safety at Work etc. Act 1974, or of any other statutory, common law or other duty which may exist at the date of issue or reissue of this Certificate; nor is conformity with such information to be taken as satisfying the requirements of the 1974 Act or of any statutory, common law or other duty of care.