



## Rytons Building Products Ltd

Design House  
Kettering Business Park  
Kettering  
Northants NN15 6NL  
Tel: 01536 511874 Fax: 01536 310455  
e-mail: vents@rytons.com  
website: www.vents.co.uk

**Agrément  
Certificate  
No 94/3071**  
Fourth issue\*

Designated by Government  
to issue  
European Technical  
Approvals

### RYTONS AIRLINERS, ACOUSTIC AIRLINERS, AIRCORES, ACOUSTIC AIRCORES, MULTIFIX AIR BRICKS, COWLS, LOUVRE VENTILATORS, HIT & MISS VENTILATORS AND FLOOR VENTILATOR

Système de canalisations de ventilation  
Rohrsystem für Belüftung

## Product




• THIS CERTIFICATE RELATES TO RYTONS AIRLINERS, ACOUSTIC AIRLINERS, AIRCORES, ACOUSTIC AIRCORES, MULTIFIX AIR BRICKS, COWLS, LOUVRE VENTILATORS, HIT & MISS VENTILATORS AND FLOOR VENTILATOR.

• The products are used for the provision of background ventilation for occupants of a room, or combustion appliances. They may also be used to provide fresh air inlets for lobbies or similar areas.

## Regulations

### 1 The Building Regulations 2000 (as amended) (England and Wales)

 The Secretary of State has agreed with the British Board of Agrément the aspects of performance to be used by the BBA, in assessing the compliance of wall ventilators with the Building Regulations. In the opinion of the BBA, Rytons AirLiners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator, if used in accordance with the provisions of this Certificate, will meet or contribute to meeting the relevant Requirements.

Requirement: B2(1)	Internal fire spread (linings)
Comment:	Wall-mounted products need not be considered as subject to this Requirement. See section 10.1 of the this Certificate.
Requirement: B4(1)	External fire spread
Comment:	Wall-mounted products constitute unprotected areas and may be used within otherwise protected areas. See sections 10.2 of the this Certificate.
Requirement: C2(b)	Resistance to moisture
Comment:	Externally-mounted products will not affect the ability of a wall to meet this Requirement. See section 11 of this Certificate.
Requirement: C2(c)	Resistance to moisture
Comment:	The products can contribute to minimising the risk of surface condensation. See section 12 of this Certificate.
Requirement: F1	Means of ventilation
Comment:	The products can meet this Requirement. See section 8.2 of this Certificate.

Requirement: <b>J1</b>	Air supply
Comment:	The products can contribute to meeting this Requirement. See section 9.1 of this Certificate.
Requirement: <b>Regulation 7</b>	Materials and workmanship
Comment:	The products are acceptable. See section 14 of this Certificate.

## 2 The Building (Scotland) Regulations 2004



In the opinion of the BBA, Rytons AirLiners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Regulations and related Mandatory Standards as listed below.

Regulation: <b>8</b>	<b>Fitness and durability of materials and workmanship</b>
Regulation: 8(1)	Fitness and durability of materials and workmanship
Comment:	The products can contribute to a construction satisfying this Regulation. See section 14 and the <i>Installation</i> part of this Certificate.
Regulation: <b>9</b>	<b>Building standards — construction</b>
Standard: 2.5	Internal linings
Comment:	The products mounted on internal wall surfaces are of limited area and will not significantly affect fire spread with reference to clause 2.5.1 <sup>(1)(2)</sup> . See section 10.1 of this Certificate.
Standard: 2.6	Spread to neighbouring buildings
Comment:	Wall-mounted products should be sited to satisfy this Standard with reference to clauses 2.6.1 <sup>(1)(2)</sup> and 2.6.2 <sup>(1)(2)</sup> . See section 10.3 of this Certificate.
Standard: 3.10	Precipitation
Comment:	Use of the products will not affect the wall's ability to satisfy this Standard with reference to clause 3.10.1 <sup>(1)(2)</sup> . See section 11 of this Certificate.
Standard: 3.14	Ventilation
Comment:	The products can contribute to satisfying this Standard with reference to clauses 3.14.1 <sup>(1)(2)</sup> , 3.14.2 <sup>(1)(2)</sup> , 3.14.3 <sup>(1)(2)</sup> to 3.14.5 <sup>(1)</sup> , 3.14.7 <sup>(2)</sup> , 3.14.8 <sup>(2)</sup> , 3.14.10 <sup>(1)</sup> and 3.14.11 <sup>(1)</sup> . See sections 8.2 and 8.3 of this Certificate.
Standard: 3.15	Condensation
Comment:	The products can contribute to minimising the risk of surface condensation with reference to clause 3.15.3 <sup>(1)</sup> . See section 12 of this Certificate.
Standard: 3.21	Combustion appliances — air for combustion
Comment:	The products can contribute to satisfying this Standard with reference to clause 3.21.1 <sup>(1)(2)</sup> . See section 9.1 of this Certificate.
	(1) Technical Handbook (Domestic).
	(2) Technical Handbook (Non-Domestic).

## 3 The Building Regulations (Northern Ireland) 2000



In the opinion of the BBA, Rytons AirLiners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator, if used in accordance with the provisions of this Certificate, will satisfy or contribute to satisfying the various Building Regulations as listed below.

Regulation: <b>B2</b>	<b>Fitness of materials and workmanship</b>
Comment:	The products are acceptable. See section 14 of this Certificate.
Regulation: <b>C4</b>	<b>Resistance to ground moisture and weather</b>
Comment:	Externally-mounted products will not affect the wall's ability to satisfy this Regulation. See section 11 of this Certificate.
Regulation: <b>E3</b>	<b>Internal fire spread — Linings</b>
Comment:	The products mounted on internal wall surface will not significantly affect a linings resistance to fire spread. See section 10.1 of this Certificate.
Regulation: <b>E5</b>	<b>External fire spread</b>
Comment:	The products can satisfy this Regulation. See section 10.2 of this Certificate.
Regulation: <b>K2</b>	<b>Means of ventilation</b>
Comment:	The products can contribute to satisfying this Regulation. See section 8.2 of this Certificate.
Regulation: <b>L2(1)(a)</b>	<b>Heat-producing appliances and associated constructions</b>
Comment:	The products can contribute to satisfying this Regulation. See section 9.1 of this Certificate.

**4 Construction (Design and Management) Regulations 1994 (as amended)  
Construction (Design and Management) Regulations (Northern Ireland)  
1995 (as amended)**

Information in this Certificate may assist the client, planning supervisor, designer and contractors to address their obligations under these Regulations.

See section:

9 Combustion appliances (9.1) of this Certificate.

## Technical Specification

### 5 Description

Rytons AirLiners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator (see Figure 1) are manufactured from suitable grades of thermoplastic. Rytons Floor Ventilator is manufactured in brass. The nominal dimensions and colours are given in Table 1.

### 6 Delivery to site and storage

6.1 Products are delivered to site in boxes bearing labels incorporating details of the contents.

6.2 Products should be stored in a clean, dry place, out of direct sunlight until ready for use.

## Design Data

### 7 General

7.1 Rytons AirLiners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator are suitable for use as through-wall ventilators in cavity walls. The Rytons Floor Ventilator is suitable for the provision of ventilation into a room from a ventilated sub-floor void.

7.2 The products provide background ventilation and combustion air for heat-producing appliances which are not room-sealed (see section 9.2).

7.3 To avoid discomfort from cold draughts, ventilators should be sited not less than 1.75 m above floor level. All Rytons AirLiners incorporate internal baffles to damp down sudden changes in air pressure.

7.4 The ventilators should also be sited to minimise the risk of wind-driven rain or snow. In exposed areas the Rytons AirCore Cowl can be used in conjunction with all Rytons AirCores and 9 x 3 and 9 x 6 Cowls are suitable for use with Rytons Multifix Air Bricks.

7.5 Rytons Acoustic AirLiners and Acoustic AirCores achieve an appreciable reduction in airborne sound transmission when compared to the non-acoustic liners and cores. The results of tests to BS EN 20140-10 : 1992 show an improvement in the single figure rating  $D_{n,e,w}$  of up to 10 dB.

7.6 Externally-mounted Louvre Ventilators and Multifix Air Bricks are suitable for use in conjunction

with all Rytons AirLiners and internally mounted Louvre or Hit & Miss Ventilators. They can be installed in brick and blockwork during construction. For NHBC constructions a cavity tray will normally be required, unless otherwise protected, eg by overhanging eaves.

7.7 All Rytons AirCores can be installed in brickwork or blockwork constructions after a 127 mm diameter hole has been drilled.

### 8 Ventilation

8.1 The free (minimum open) areas (mm<sup>2</sup>) per unit are given in Table 2.



8.2 The requirement for background ventilation will be met or satisfied, notwithstanding other requirements (see section 9), if the total free area is not less than that given in Building Regulations documents:

#### England and Wales

Approved Document F, Tables 1 or 2

#### Scotland

Mandatory Standard 3.14

#### Northern Ireland

Technical Booklet K, Tables 2.1 and 3.1



8.3 For buildings subject to the Building (Scotland) Regulations, the location of ventilators must comply with clause 3.14.5<sup>(1)</sup> and 3.14.3<sup>(2)</sup> for compliance with these Regulations.

(1) Technical Handbook (Domestic).

(2) Technical Handbook (Non-Domestic).

### 9 Combustion appliances



9.1 When ventilating a room containing a combustion appliance care should be taken to ensure sufficient permanent openings in the room, under all circumstances, to permit the safe and efficient operation of the appliance. Guidance in this respect may be found in the Building Regulations documents:

#### England and Wales

Approved Document J

#### Scotland

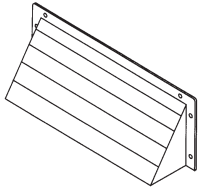
Mandatory Standard 3.21

#### Northern Ireland

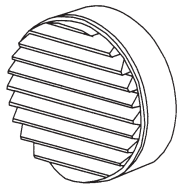
Technical Booklet L.

9.2 Vents suitable for use with open-flued gas appliances installed in a room or internal space are given in Table 3.

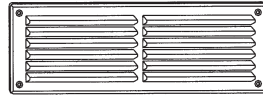
Figure 1 Product detail



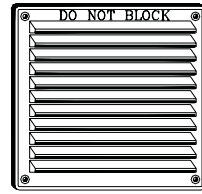
ABC3



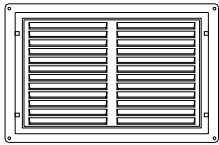
LVR75



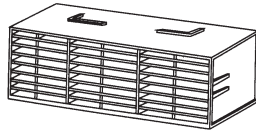
LV88/LV68F



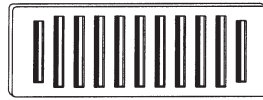
LV103/LV74F



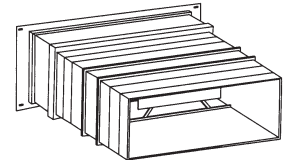
LVP17



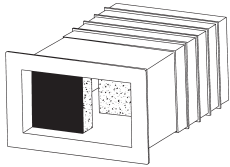
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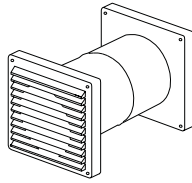
HM43F



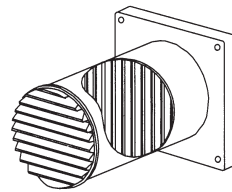
TCL8000



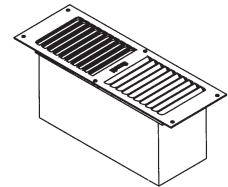
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AC10



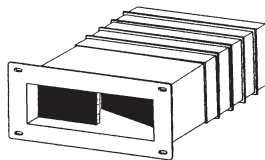
ACH75



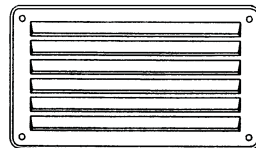
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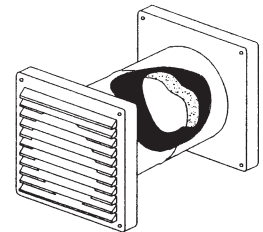
IF80



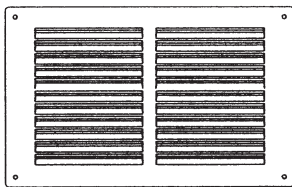
TAL4000



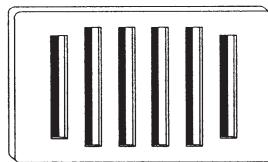
LV47/LV25F



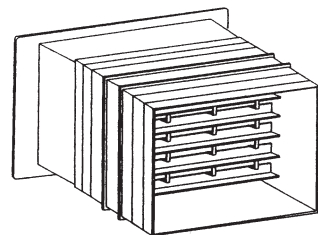
AAC5



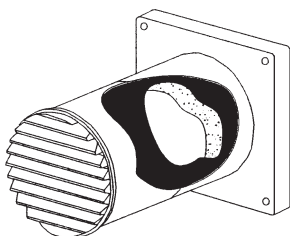
IF147



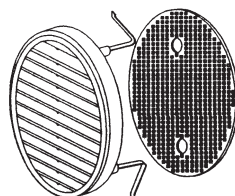
HM22F



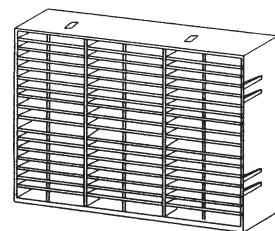
TCL18000/TCL16000



AAH5



CV60FBG



MFAB96

Table 1 Nominal characteristics

Item (code)	Depth (mm)	Height (mm)	Length (mm)	Colour
Rytons 9 x 3 Cowl (ABC3)	44	96	255	buff/sand, terracotta
Rytons 9 x 6 Cowl (ABC6)	74	154	255	buff/sand, terracotta
Rytons AirCore Cowl (ABC5)	90	205	210	white, buff/sand, terracotta, brown
Rytons Round Louvre Ventilator (LVR75)	43	124	124	white, buff/sand, terracotta
Rytons RytAround Ventilator (CV60FBG)		156 (overall external diameter)		white, brown
Rytons Louvre Ventilator 6 x 3 (LV47) with Flyscreen (LV25F)	11	94	155	white, brown
Rytons Louvre Ventilator 6 x 6 (LV103) with Flyscreen (LV74F)	20	160	166	white, buff/sand, terracotta
Rytons Louvre Ventilator 9 x 3 (LV88) with Flyscreen (LV68F)	12	95	271	white, terracotta, brown
Rytons Louvre Ventilator 9 x 6 (LV177) with Flyscreen (LV137F)	12	171	271	white, terracotta, brown
Rytons Louvre Ventilator 9 x 9 (LV265) with Flyscreen (LV205F)	12	247	271	white, terracotta, brown
Rytons Plastered-in Louvre Ventilator (LVP17)	17	192	296	white
Rytons Plastered-in Louvre Ventilator with Flyscreen (LVP13F)	17	192	296	white with white flyscreen
Rytons Flush Fitting Louvre Ventilator 9 x 3 (LF80)	2	97	270	white
Rytons Flush Fitting Louvre Ventilator 9 x 6 (LF147)	2	166	264	white
Rytons Hit & Miss Ventilator 6 x 3 (HM22F)	5.5	95	155	white with white flyscreen
Rytons Hit & Miss Ventilator 9 x 3 (HM43F)	5.5	95	271	white with white flyscreen
Rytons Hit & Miss Ventilator 9 x 6 (HM85F)	5	171	271	white with white flyscreen
Rytons Hit & Miss Ventilator 9 x 9 (HM123F)	5	247	271	white with white flyscreen
Rytons Multifix Air Brick (MFAB)	58	66	215	grey, black, white, terracotta, blue/black, brown, buff/sand
Rytons 9 x 6 Multifix Air Brick (MFAB96)	59	134	215	buff/sand, terracotta, white, blue/black
Rytons 9 x 3 Telescopic AirLiner (TCL8000)	230–368 <sup>(1)</sup>	71 <sup>(2)</sup>	220 <sup>(2)</sup>	black
Rytons 9 x 6 Telescopic AirLiner (TCL16000)	230–368 <sup>(1)</sup>	140 <sup>(2)</sup>	220 <sup>(2)</sup>	black
Rytons 9 x 6 AirLiner (TCL18000)	230 <sup>(1)</sup>	140 <sup>(2)</sup>	220 <sup>(2)</sup>	black
Rytons 9 x 3 Acoustic AirLiner (TAL4000)	230–368 <sup>(1)</sup>	71 <sup>(2)</sup>	220 <sup>(2)</sup>	black
Rytons 9 x 6 Acoustic AirLiner (TAL8000)	230–404 <sup>(1)</sup>	140 <sup>(2)</sup>	220 <sup>(2)</sup>	black
Rytons AirCore (AC10) <sup>(3)</sup>	358	127	358	buff/sand, terracotta, white for external louvre <sup>(4)</sup>
Rytons Acoustic Aircore (AAC5)				buff/sand, terracotta, white for external louvre <sup>(4)</sup>
Rytons High Rise AirCore (ACH75)	358	127	358	buff/sand, terracotta, white for external louvre <sup>(4)</sup>
Rytons Acoustic High Rise AirCore (AAH5)				buff/sand, terracotta, white for external louvre <sup>(4)</sup>
Rytons Floor Ventilator (FV10BRAS)	125	95	267	polished brass-chrome louvre

(1) Excluding MFAB.

(2) Excluding flange.

(3) Tube can be plain or with internal baffles.

(4) White for internal grille.

Table 2 Ventilation

Item	Area (mm <sup>2</sup> )
Rytons 9 x 3 Cowl	8700
Rytons 9 x 6 Cowl	16000
Rytons AirCore Cowl	15500
Rytons Round Louvre Ventilator	8000
Rytons RytAround Ventilator (150 mm)	8900
Rytons RytAround Ventilator (150 mm) (flyscreened)	6060
Rytons RytAround Ventilator (125 mm)	7620
Rytons RytAround Ventilator (125 mm) (flyscreened)	4640
Rytons RytAround Ventilator (100 mm)	4870
Rytons RytAround Ventilator (100 mm) (flyscreened)	2910
Rytons Louvre Ventilator 6 x 3	4750
Rytons Louvre Ventilator 6 x 3 (flyscreened)	2570
Rytons Louvre Ventilator 6 x 6	11000
Rytons Louvre Ventilator 6 x 6 (flyscreened)	6420
Rytons Louvre Ventilator 9 x 3	8800
Rytons Louvre Ventilator 9 x 3 (flyscreened)	6600
Rytons Louvre Ventilator 9 x 6	17760
Rytons Louvre Ventilator 9 x 6 (flyscreened)	13300
Rytons Louvre Ventilator 9 x 9	26500
Rytons Louvre Ventilator 9 x 9 (flyscreened)	20000
Rytons Plastered-in Louvre Ventilator	17800
Rytons Plastered-in Louvre Ventilator (flyscreened)	13300
Rytons Flush Fitting Louvre Ventilator 9 x 3	8000
Rytons Flush Fitting Louvre Ventilator 9 x 6	14700
Rytons Hit & Miss Ventilator 6 x 3	2180
Rytons Hit & Miss Ventilator 9 x 3	4400
Rytons Hit & Miss Ventilator 9 x 6	8600
Rytons Hit & Miss Ventilator 9 x 9	13000
Rytons Multifix Air Brick	7750
Rytons 9 x 6 Multifix Air Brick	15190
Rytons 9 x 3 Telescopic Airliner	8000 <sup>(1)</sup>
Rytons 9 x 6 Telescopic Airliner	16000 <sup>(2)</sup>
Rytons 9 x 6 AirLiner	16000
Rytons 9 x 3 Acoustic Airliner	4000
Rytons 9 x 6 Acoustic Airliner	8100
Rytons AirCore	10000 <sup>(3)</sup>
Rytons Acoustic AirCore	4400
Rytons High Rise AirCore	5500
Rytons Acoustic High Rise AirCore	4400
Rytons Floor Ventilator	11000

(1) Excludes baffle area, approx 4200 mm<sup>2</sup>.

(2) Excludes baffle area, approx 10676 mm<sup>2</sup>.

(3) Excludes baffle area, approx 2700 mm<sup>2</sup>.

Table 3 Vent specification

Vent	Effective free area (mm <sup>2</sup> ) per unit	Gross rated input (kW)
Rytons AirCore	10000 <sup>(1)</sup>	27
Rytons Acoustic AirCore	3900 <sup>(1)</sup>	14
Rytons High Rise AirCore	5500 <sup>(1)</sup>	18
Rytons Acoustic High Rise AirCore	3800 <sup>(1)</sup>	14
Ryton 9 x 6 Telescopic Airliner	9400	25
Ryton 9 x 6 AirLiner	10700	28
Ryton 9 x 3 Telescopic Airliner	5350 <sup>(2)</sup>	17
Ryton 9 x 6 Acoustic Airliner	4200 <sup>(2)</sup>	15
Ryton 9 x 3 Acoustic Airliner	2550 <sup>(2)</sup>	12

(1) Without air adjustment disc fitted.

(2) When configured with a Rytons Multifix Air Brick or Flush Fitting Louvre Ventilator as appropriate.

9.3 Combustion vents must be permanently open. Hit & Miss and fly-screened ventilators should not be used in a room containing a combustion appliance.

## 10 Properties in relation to fire



10.1 Ventilation grilles mounted on an internal wall are of limited area and need not be taken into account when considering

the classification of the lining's resistance to fire spread.



10.2 The use of wall-mounted air bricks or grilles in an otherwise protected area is unrestricted provided the minimum distances from other unprotected areas are maintained as given in:

### England and Wales

Approved Document B, Diagram 44

### Northern Ireland

Technical Booklet E, Diagram 4.4.



10.3 In Scotland, ventilators mounted on an external wall that is on a boundary or within 500 mm of a boundary must not project beyond the boundary.

10.4 Consideration should be given to fire-stopping around ducts passing through cavities unless adequate measures are taken to ensure that fire, or the hot gases from a fire, cannot penetrate the cavity through the duct.

## 11 Weathertightness



The use of the product will not affect the ability of the wall to comply with national Building Standards:

### England and Wales

Approved Document C2(b)

### Scotland

Mandatory Standard 3.10

### Northern Ireland

Regulation C4.

## 12 Condensation



The use of the products can minimise the risk of surface condensation and contribute to satisfying the requirements of the national Building Regulations:

### England and Wales

Approved Document C2(c)

### Scotland

Mandatory Standard 3.15

## 13 Maintenance

13.1 The products should not require any maintenance in normal use. There is little risk of blockage but, should the ducting become blocked, access may be gained by the removal of the internal louvre, grille or vent.

13.2 The design of the external grille limits the risk of blockage, but should this occur the performance of the products would be impaired. The grille should be inspected occasionally and cleaned if necessary; if damaged it should be replaced.

## 14 Durability



The components are made of durable materials and, should have a life equal to that of the building in which they are installed.

## Installation

### 15 General

15.1 Rytons AirLiners, Acoustic AirLiners, Multifix Air Bricks, Louvre Ventilators, Hit & Miss Ventilators do not require special fixings. They are incorporated in the brickwork or blockwork during the normal course of laying (see also section 7.6).

15.2 If necessary the ventilators can be cut easily with a fine-tooth saw.

Note: Cowls always fitted separately.

15.3 The front face of the Air Bricks should be aligned with the brickwork face.

15.4 All Rytons AirCores are incorporated in the brickwork or blockwork by a 127 mm hole being drilled and the tube cut to length. Rytons AirCore and Acoustic AirCore are inserted into the hole and the internal and external grilles push fitted to finish. The Rytons High Rise AirCore and Acoustic High Rise Aircore are inserted into the hole as one unit and the internal grille push fitted to finish.

15.5 The Rytons Floor Ventilator is placed into the sleeve provided and inserted into the precut hole in the floor. The grille is secured with the screws provided.

## Technical Investigations

The following is a summary of the technical investigations carried out on Rytons AirLiners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator.

### 16 Tests

Samples of the ventilator units were obtained from the manufacturer for the purpose of testing. Tests were carried out to include:

- ash content
- density
- stress relief
- Vicat softening point
- impact
- effect of UV and heat ageing
- minimum open geometric area.

### 17 Investigations

17.1 Assessments were made of the effectiveness of airflow, risk of blockage and risk of damage during installation.

17.2 The methods of quality control were examined and details were obtained of the quality and composition of the materials used.

17.3 A survey of users of the product was carried out to assess performance in use.

## Bibliography

BS EN 20140-10 : 1992 *Acoustics — Measurement of sound insulation in buildings and of building elements — Laboratory measurement of room to room airborne sound insulation of small building elements*

## Conditions of Certification

### 18 Conditions

18.1 This Certificate:

- (a) relates only to the product that is named, described, installed, used and maintained as set out in this Certificate;
- (b) is granted only to the company, firm or person identified on the front cover — no other company, firm or person may hold or claim any entitlement to this Certificate;
- (c) is valid only within the UK;
- (d) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (e) is copyright of the BBA;
- (f) is subject to English law.

18.2 References in this Certificate to any Act of Parliament, Regulation made thereunder, Directive or Regulation of the European Union, Statutory Instrument, Code of Practice, British Standard, manufacturers' instructions or similar publication, are references to such publication in the form in which it was current at the date of this Certificate.

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

(a) are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA;

(b) continue to be checked as and when deemed appropriate by the BBA under arrangements that it will determine; and

(c) are reviewed by the BBA as and when it considers appropriate.

18.4 In granting this Certificate, the BBA is not responsible for:

(a) the presence or absence of any patent, intellectual property or similar rights subsisting in the product or any other product;

(b) the right of the Certificate holder to market, supply, install or maintain the product; and

(c) the actual works in which the product is installed, used and maintained, including the nature, design, methods and workmanship of such works.

18.5 Any recommendations relating to the use or installation of this product which are contained or referred to in this Certificate are the minimum standards required to be met when the product is used. They do not purport in any way to restate the requirements of the Health & Safety at Work etc Act 1974, or of any other statutory, common law or other duty which may exist at the date of this Certificate or in the future; nor is conformity with such recommendations to be taken as satisfying the requirements of the 1974 Act or of any present or future statutory, common law or other duty of care. In granting this Certificate, the BBA does not accept responsibility to any person or body for any loss or damage, including personal injury, arising as a direct or indirect result of the installation and use of this product.



In the opinion of the British Board of Agrément, Rytons Airliners, Acoustic AirLiners, AirCores, Acoustic AirCores, Multifix Air Bricks, Cowls, Louvre Ventilators, Hit & Miss Ventilators and Floor Ventilator are fit for their intended use provided they are installed, used and maintained as set out in this Certificate. Certificate No 94/3071 is accordingly awarded to Rytons Building Products Ltd.

On behalf of the British Board of Agrément

A handwritten signature in black ink, appearing to read 'G.A. Cooper', is written over a light grey background.

Date of Fourth issue: 22nd December 2005

Chief Executive

*\*Original Certificate issued on 21st June 1995. This revised version includes reference to the revised national Building Regulations and additional products, and new Conditions of Certification.*

British Board of Agrément

P O Box No 195, Bucknalls Lane  
Garston, Watford, Herts WD25 9BA

Fax: 01923 665301

©2005

e-mail: mail@bba.star.co.uk  
website: www.bbacerts.co.uk



For technical or additional information, contact the Certificate holder (see front page).  
For information about the Agrément Certificate, including validity and scope, tel: Hotline 01923 665400, or check the BBA website.