

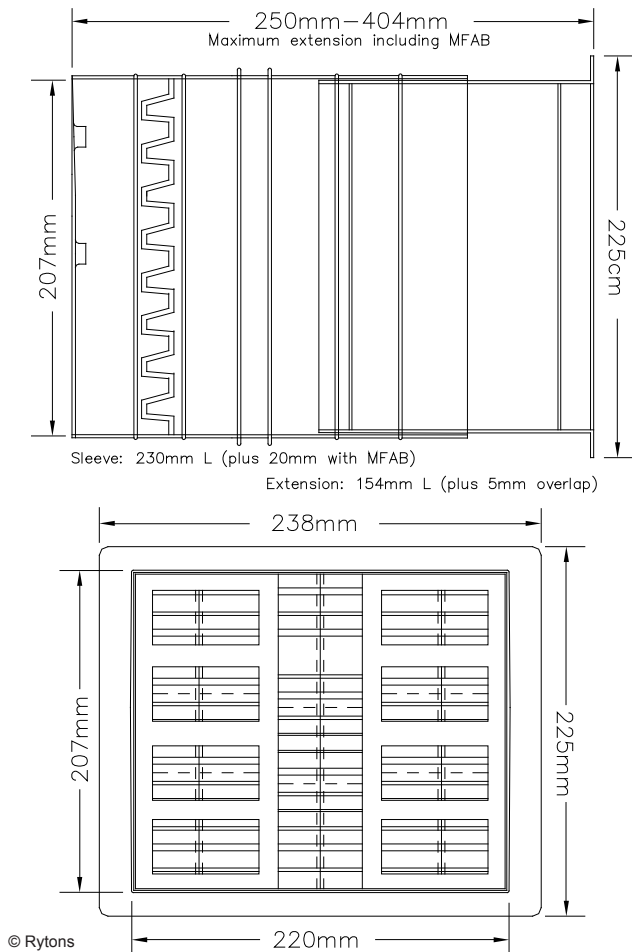
## Technical Data Sheet

### Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB) (Sound, Light and Draught Reducing)

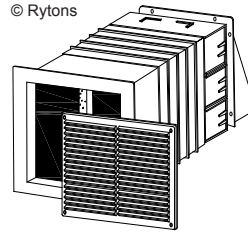
[www.vents.co.uk](http://www.vents.co.uk) (search code: TAL9CWL)

May 2010

#### Dimensional Drawing (Rytons TAL9900)



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#### Approvals and Testing



#### Main Uses, Features and Benefits

- Combustion air vent for heat producing appliances.
- Room or compartment ventilator.
- Acoustic lining reduces sound to 40 dB  $D_{n,e,w}$
- $D_{n,e,w}$  figure calculated by the BRE in accordance with BS EN ISO 717-1:1997.
- HETAS approved for use with solid fuel appliances.
- Equivalent area calculated by the BRE at 15 Pa to BS 5440-2:2000.
- Cowl and internal baffles reduce light and draughts.
- Finished with fixed open louvre ventilator.
- Set contains Rytons Cowl '9x9' (ABC9), Rytons Multifix® Air Bricks (MFAB) x3, Rytons '9x9' Acoustic AirLiner® (TAL9900) and Rytons Louvre Ventilator '9x9' (LV265).
- U.V. stabilised cowl, air brick and louvre ventilator to protect against deterioration by sunlight.



#### F30 Accessories/Sundry Items for Brick/Block/Stone Walling

n55Plus

Specification clauses 17, 171

U90 General Ventilation - Domestic

Specification clauses 30, 34, 310, 340

Product Specification Code	$D_{n,e,w}$	Equivalent Area
Rytons TAL9CWL	40 dB	6954mm <sup>2</sup> (69.54cm <sup>2</sup> ) (10 <sup>3/4</sup> " <sup>2</sup> )

#### Size

ABC9: 274mm (L) x 235mm (H) x 103mm (D).

MFAB & TAL9900: 220mm (W) x 207mm (H).

Extends from 250mm to 404mm (L) with Rytons Multifix® Air Bricks fitted.

LV265: 271mm (L) x 247mm (H).

#### Gas Appliances

Suitable for an open-flued gas appliance installed in a room or internal space with a gross rated input up to 20kW.

#### Solid Fuel Appliances

(e.g. Stoves, Range Cookers or Independent Boilers)

Closed appliance without a draught stabiliser fitted - suitable up to 17kW.

Closed appliance with a draught stabiliser fitted - suitable up to 11kW.



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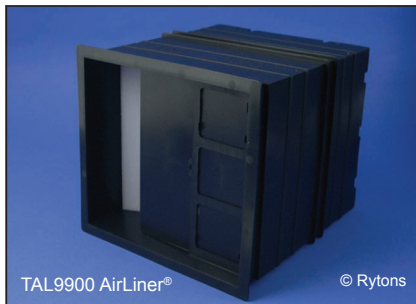
May 2010

# Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB) (Sound, Light and Draught Reducing)

### Colour Key



### Photo Library



### Composition

ABC9: U.V. stabilised high impact polystyrene.

MFAB: U.V. stabilised polypropylene.

TAL9900: Rigid Liner - Polypropylene. **Contains recycled plastic.**

TAL9900: Insert Sleeve - Polypropylene containing sound absorbent foam panels.

LV265: U.V. stabilised high impact polystyrene.

### Colours

ABC9: Buff/sand, terracotta, white.

MFAB: Buff/sand, terracotta, white.

TAL9900: Black.

LV265: White.

### Specification Paragraph

Manufacturer: Rytons Building Products Ltd

T: 01536 511874, F: 01536 310455, E: admin@rytons.com

Visit our website at [www.vents.co.uk](http://www.vents.co.uk)

Product ref:

- Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB)  
Buff/Sand (ref TAL9BSCWL)

- Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB)  
Terracotta (ref TAL9TCCWL)

- Rytons '9x9' Cowled Acoustic AirLiner® Set with Louvre Ventilator (40 dB)  
White (ref TAL9WHCWL)

Type: Acoustic Telescopic Liner with Cowl, Multifix® Air Brick and Louvre

Equivalent Area: 6954mm<sup>2</sup> (BRE tested)

### Installation

No special fixing required. Build in cavity liner with fitted air bricks as work proceeds. Extend telescopic sleeve as necessary. Fasten cowl to the brickwork through the pre-formed holes in the flange around the cowl. Fasten louvre ventilator internally covering the flange of the AirLiner®.

### HETAS Approval

HETAS is the official body recognised by the government to approve solid fuel domestic heating appliances, fuels and services. Rytons is the only ventilation manufacturer to have solid fuel appliance ventilators approved by HETAS and is the only ventilation manufacturer recommended by HETAS to their registered engineers.

### Extra Features and Benefits

Individually boxed sets for easy identification, handling and efficient installation.

Cowl prevents infiltration of wind driven rain and snow and alleviates air blasts through the cavity which may cause discomfort in a room.

Air brick louvres promote unrestricted air flow and reduce risk of blockage as well as keeping large insects out. Also features built-in water baffles to prevent water penetration.

External AirLiner® baffles prevent water transfer across the cavity.

Low profile louvre ventilator maintains a neat internal appearance.

Louvre embossed with DO NOT BLOCK.

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Rytons TAL9CWL Converted Octave Band Values	
63 Hz	34.6 dB
125 Hz	38.2 dB
250 Hz	31.7 dB
500 Hz	33.9 dB
1000 Hz	43.3 dB
2000 Hz	51.6 dB
4000 Hz	56.6 dB

All figures are reproduced in good faith and to the best of our knowledge are true and accurate. Customers should satisfy themselves that the product is suitable for the intended purpose by using this information in conjunction with the BRE acoustic test report available online at [www.vents.co.uk](http://www.vents.co.uk) and from Rytons sales office.

### A bit about the BRE

The Building Research Establishment Ltd is a respected independent testing authority. BRE Acoustics holds UKAS accreditation for the measurement of sound insulation in the field and the laboratory. The measurements were conducted using the procedures accredited by UKAS. Since 2006 Rytons has commissioned the BRE to calculate the equivalent free area of their heat producing appliance and background ventilators giving installers, suppliers and homeowners the confidence that the air space is **accurate** and **verifiable**.

### UK Regulations, Standards and Guidelines

Measurement of airborne sound insulation made by the BRE in accordance with BS EN 20140-10:1992 and BS EN ISO 140-3:1995. Single number quantities were calculated in accordance with BS EN ISO 717-1:1997 'Rating of sound insulation in buildings and of building elements'.

### For heat producing appliances (including solid fuel) refer to:

The Building Regulations 2000, Approved Document J.  
The Building (Scotland) Regulations 2005, Mandatory Standard 3.21.  
The Building Regulations (Northern Ireland) 2000, Technical Booklet L.  
British Standard BS 5440-2:2009.

### For decorative fuel effect gas fires refer to:

British Standard BS 5871-3:2005.

### The Building Regulations 2000, Approved Document J

**1.16** In noisy areas, it may be necessary to install proprietary noise attenuated ventilators to limit the entry of noise into the building.

### Handling Information

Box quantity: 1 set.  
Box size: 27.5cm (W) x 28.5cm (H) x 27cm (D).  
Box weight: 1.8kg.

## Questions

### Is a copy of the BRE test report available?

Yes, online at [www.vents.co.uk](http://www.vents.co.uk) or from Rytons sales office.

### Will installing more than one vent to achieve a greater equivalent area have an effect on the acoustic performance?

Yes, by installing two vents anywhere in a room the combined performance of both vents would be reduced by 3dB. Installing four vents would give a reduction of 6dB.

### Will the vent reduce sound from inside to outside as well as from outside to inside?

The BRE has advised us that it's reasonable to assume that 'reciprocity' applies to the vents. That is, the third octave values for sound reduction index are the same in both directions (out to in and in to out).



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