

AAC125HPCWL – Rytons Cowled Super Acoustic Controllable LookRyt® AirCore®



NBS Source
PARTNER

bre



Patent Approved GB2523676
Registered Design 4018848

45 dB open / 50 dB closed (Dn,e,w)

8,400mm² (84cm²) Equivalent Area

Categories: Acoustic AirCore and AirLiner Sets, Background Ventilators

- General Details
- NBS Specification
- BRE Test Report
- Fitting Instructions
- Quote Request
- Related Products

Features and Benefits

- Retro-fitted core ventilator with external cowl for background room ventilation.
- Allows the introduction of fresh outside air into the room to disperse moisture, odours and other airborne pollutants.

- Use in noisy areas to reduce the amount of noise entering the building for a more peaceful environment.
- External cowl protects against excessive weather conditions and alleviates air blasts through the cavity.
- Unique draught reducing panel manually adjusted with an easy push/pull or tilt action allowing air to be controlled as required.
- Paint or wallpaper the panel to match room décor for a discreet appearance.
- External water baffle prevents the transfer of water across the cavity.
- Cowl and external grille U.V. stabilised to slow down the effects of sunlight.
- Position at a high level (typically 1.7m above floor level) for all dwelling types and storey heights.
- Patent Approved GB2523676.
- Registered Design 4018848.
- Please note: This item is a plastic component and therefore is not suitable for use within a) the external walls of buildings more than 11m high where people sleep on the premises (residential, institutional or hospitality) or b) external wall surfaces within 1m of the boundary if the building is 11m high or less, in England. Contact our technical sales office on 01536 511874 about a compliant alternative using Rytons A1 Fire-rated Bespoke Metal Service.

Sound Reduction & Equivalent Area:

- Sound reduced by 45 dB with internal grille fully open and 50 dB when closed (Dn,e,w) (tested by BRE Acoustics).
- 8,400mm² (84cm²) equivalent area (tested to BS EN 13141-1:2004 and independently verified by the BRE).

Size:

- Cowl: 217mm L x 210mm H x 93mm D.
- External grille: 166mm L x 160mm H.
- Tube: 127mm (5") Dia. x 358mm L.
- LookRyt® panel: 172mm L x 172mm H.

Colours:

- Terracotta external: AAC125HPTCWL.
- Buff/Sand external: AAC125HPBCWL.
- White external: AAC125HPWCWL.
- LookRyt® panel: Magnolia (may be painted or wallpapered to match décor).
- Bespoke colour matching service available. Call our sales office on 01536 511874 or email admin@rytons.com for details and pricing.

Composition:

- Cowl and external grille: U.V. stabilised high impact polystyrene.
- Tube: High impact polystyrene containing sound absorbent foam lining.
- Tube contains recycled plastic.
- Tube softening point: 70°C (unlined).
- Tube melting point: 120°C (unlined).
- Foam flammability testing: UL94 HF-1.
- Foam burn rate testing: FMVSS302, 4 inches min-1 (max).

- LookRyt® panel: High impact styrene.
- LookRyt® panel melting point: 160-180°C (unlined).

Reference Material:

- **England: [view extracts>>](#)**
- Approved Document F: Means of Ventilation in Dwellings (2010 edition incorporating 2013 amendments).
- Approved Document F: Means of Ventilation in Dwellings (2021 edition). Note: The 2021 update takes effect on 15 June 2022. It does not apply to work subject to a building notice, full plans application or initial notice submitted before that date, provided the work for each building is started before 15 June 2023.
- **Wales: [view extracts>>](#)**
- Approved Document F: Means of Ventilation in Dwellings (2010 edition incorporating 2013 amendments).
- Approved Document F: Means of Ventilation in Dwellings (2022 edition). Note: The 2022 update takes effect on 23 November 2022. It does not apply to work subject to a building notice, full plans application or initial notice submitted before that date, provided the work for each building is started before 23 November 2023.
- **Scotland: [view extracts>>](#)**
- Building Standards Scotland Technical Handbook – Domestic: Mandatory Standard 3.14 Ventilation.
- **Northern Ireland: [view extracts>>](#)**
- Building Regulations (Northern Ireland) Technical Booklet K, Ventilation.
- **Republic of Ireland: [view extracts>>](#)**
- NSAI SR54: Code of practice for the energy efficient retrofit of dwellings.
- Building Regulations 2019, Technical Guidance Document F: Ventilation.
- Measurement of airborne sound insulation was made in accordance with BS EN 20140-10: 1992.
- Single number quantities were calculated in accordance with BS EN ISO 717-1:1997.
- Equivalent area tested to BS EN 13141-1:2004 and independently verified by the BRE.

Handling Information:

- Box quantity: 1 set.
- Box size: 44cm W x 19cm H x 22.5cm D.
- Box weight: 0.885kg.

Questions & Answers:

- **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).