

577 Barlow Moor Road Ventilation Scheme – Appendix A

Proposed Mechanical Ventilation Unit Specifications.

Rytons Cowled Super Acoustic Controllable LookRyt AirCore White

Products Summary:

- 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 high level (typically 1.7m above floor level) for all dwelling types and storey heights.
- Patent No. GB 2523676.
- **PLEASE NOTE:** This item is a plastic component and therefore not suitable for use within the external walls of high-rise buildings requiring non-combustible materials, i.e. those 18m high or more complying to Regulation 7(2) and Approved Document B, and those 11m high or more complying to 2.7 of Building (Scotland) technical handbook 2019. For compliant alternatives, which includes our tailor-made design service, see Rytons A1 Fire-rated Ventilation Range.

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).
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- Colour matching available using the Tailor-made by Rytons bespoke ventilation service.

Composition:

- Cowl and external grille: U.V. stabilised high impact polystyrene.
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- 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).

Handling Information:

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

Reference Material:

- 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.
- Also refer to: The Building Regulations 2000, Approved Document F,
- The Building (Scotland) Regulations, Mandatory Standard 3.14,
- The Building Regulations (Northern Ireland) 2000, Technical Booklet K,
- British Standard BS 5250.