

**LAND OFF PROVIDENCE HILL, BURSELDON**  
**FOREMAN HOMES BUILD SPECIFICATION FOR NOISE MITIGATION**

Acoustic Fence (3m high) in **RED**

Higher Spec Double Glazing to Plots 25-36 & 62-73 ( $R_w+C_{tr}$  35 dB) and trickle vents in **BLACK**

Double Glazing to all remaining Plots and trickle vents ( $R_w+C_{tr}$  30 dB)

Alternative Ventilation - MEV system 3 to all plots in **BLUE**

2.5m high fencing for Plots 74 & 75 in **GREEN**

1.8m high fencing for all remaining Plots

**Ground Floor**



## First Floor



## Second Floor



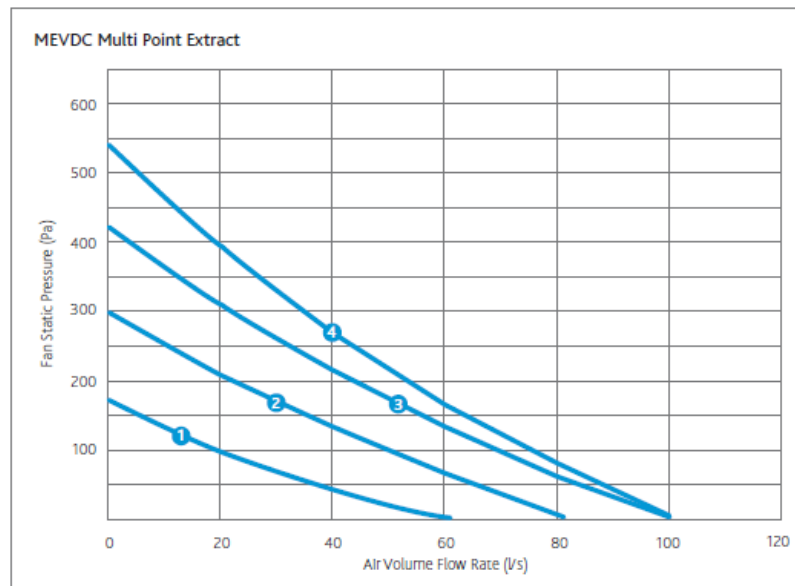
## Alternative Ventilation – MEV System 3

### MEVDC

A quiet, energy-efficient, low depth central extract system, which has been independently tested by the Building Research Establishment (BRE) for inclusion within the Product Characteristics Database (previously SAP Appendix Q).



### Performance



### Electrical & Sound

| Curve | Maximum power consumption | FLC  | Sound Power Levels dB re 1pW |     |     |     |    |    |    |    | dBa @3m |
|-------|---------------------------|------|------------------------------|-----|-----|-----|----|----|----|----|---------|
|       | (Watts)                   | Amps | 63                           | 125 | 250 | 500 | 1K | 2K | 4K | 8K | Curve   |
| 1     | 11                        | 0.14 | 39                           | 39  | 44  | 36  | 31 | 22 | 21 | 18 | 19      |
| 2     | 21                        | 0.19 | 40                           | 42  | 46  | 41  | 37 | 28 | 24 | 18 | 27      |
| 3     | 35                        | 0.25 | 43                           | 43  | 50  | 46  | 41 | 31 | 28 | 27 | 31      |
| 4     | 52                        | 0.37 | 45                           | 44  | 54  | 52  | 44 | 35 | 31 | 27 | 34      |

### SAP Test Results

| Application          | MEVDC                      |                                             |
|----------------------|----------------------------|---------------------------------------------|
|                      | Specific Fan Power (W/l/s) | Energy Saving Trust Best Practice Compliant |
| Kitchen + 1 Wet Room | 0.35                       | Yes                                         |
| Kitchen + 2 Wet Room | 0.30                       | Yes                                         |
| Kitchen + 3 Wet Room | 0.31                       | Yes                                         |
| Kitchen + 4 Wet Room | 0.33                       | Yes                                         |
| Kitchen + 5 Wet Room | 0.38                       | Yes                                         |

## TRICKLE VENT

### 2. Physical Data

|                | Internal                          |        | External                          |        |
|----------------|-----------------------------------|--------|-----------------------------------|--------|
|                | Dimension                         | Weight | Dimension                         | Weight |
| Link-Vent 2500 | 18.5 mm x 236.5 mm<br>Depth 15 mm | 28g    | 18 mm x 236.5 mm<br>Depth 37.5 mm | 39g    |
| Link-Vent 5000 | 18 mm x 454.5 mm<br>Depth 15 mm   | 59g    | 18 mm x 454.5 mm<br>Depth 37.5 mm | 78g    |

For colour options please see page 8 - 13.

### 3. Materials of Construction

Internal and external units are primarily moulded in UV stabilised PVC-U. The spring fixing clips are in UV stabilised Acetal. Suppliers data sheets for these polymers are available on request.

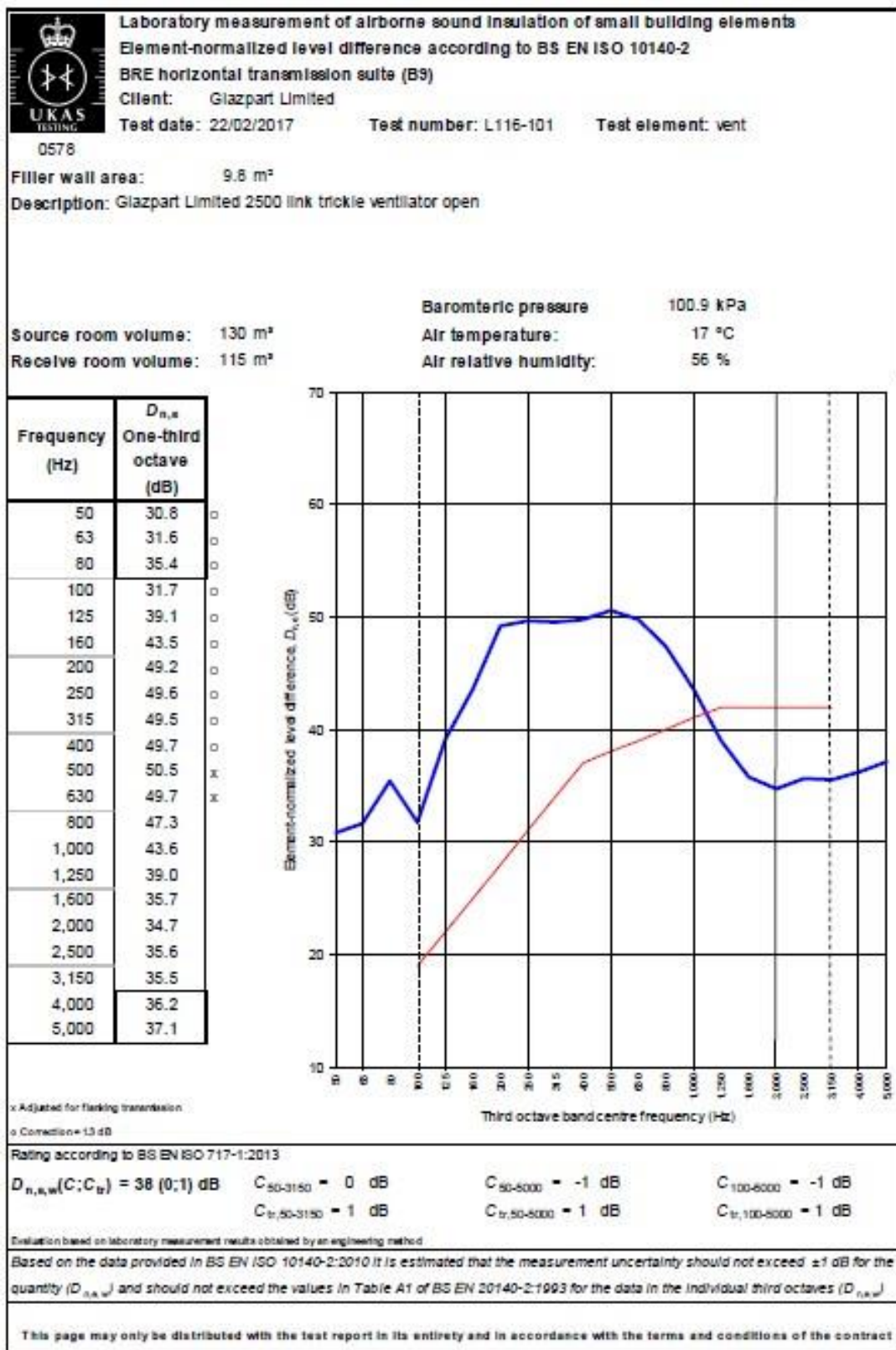
### 4. Performance Data

| Ventilator |                 |                               |                         |                      |
|------------|-----------------|-------------------------------|-------------------------|----------------------|
|            | Attachment type | Dimension                     | E.Q.A (Equivalent area) | Cross sectional area |
| 2500       | Clip or Screw   | 13 mm x 204 mm                | 2500mm <sup>2</sup>     | 2574mm <sup>2</sup>  |
| 5000       | Clip or Screw   | 13 mm x 422 mm<br>Depth 14 mm | 5000mm <sup>2</sup>     | 5158mm <sup>2</sup>  |

### 5. Acoustic Values

| Position                                                         | Closed            | Open              |
|------------------------------------------------------------------|-------------------|-------------------|
| 2500 EQA                                                         | dB = 42<br>(-1;0) | dB = 36<br>(-1;1) |
| 5000 EQA                                                         | dB = 40<br>(-0;1) | dB = 36<br>(-1;1) |
| D <sub>n</sub> ,e <sub>w</sub> as defined in BS EN 20140-10-1992 |                   |                   |

# TRICKLE VENT – OPEN



# TRICKLE VENT – CLOSED

