



Modern construction using higher levels of thermal insulation requires increased levels of ventilation within the building fabric to prevent the build-up of moisture and condensation.

UNDERFLOOR & CAVITY WALL VENTS

Onerous U-value requirements across England, Ireland and Scotland for floors and walls, as described in Building Regulations Part L, has heightened the importance of ventilation.

With an increase in construction on brownfield sites, hazardous subsoil gases such as radon, carbon dioxide and methane are more evident. As such, underfloor ventilation has to be considered in the overall protection measures at design stage.



UNDERFLOOR & CAVITY WALL VENTS

Glidevale have a range of underfloor, through-wall and cavity wall ventilation products which meet the regulations requirements and provide protection against driving rain, birds, rodents and large insects.

MV250 Airbrick

- Ventilation area 8000mm²
- Colours: terracotta, buff, anthracite black.
- Driving rain resistant.
- Standard brick face dimensions.
- Injection-moulded components.
- Can be stacked in multiples.
- Can be used with MV255 Straight Sleeve and MV251 Periscope.



MV251 Periscope

- Provides ventilation beneath suspended floors.
- Vertical adjustment for 3 to 4 brick courses.
- Works in cavities from 50mm to 100mm.
- Can be used with MV250 Airbrick, MV254 Vertical Adaptor and MV253 Vent Pipe Adaptor.



MV253 Vent Pipe Adaptor

- Connects to 100mm internal diameter pipe enabling remote voids to be ventilated.
- Can be attached to MV250 Airbrick, MV251 Periscope or MV255 Straight Sleeve.



MV254 Vertical Adaptor

- Fits between the two halves of the MV251 Periscope to increase the overall depth adjustment up to 5 to 6 brick courses.
- Modular design allows additional units to be used for even greater depths.



MV650 Weepvent

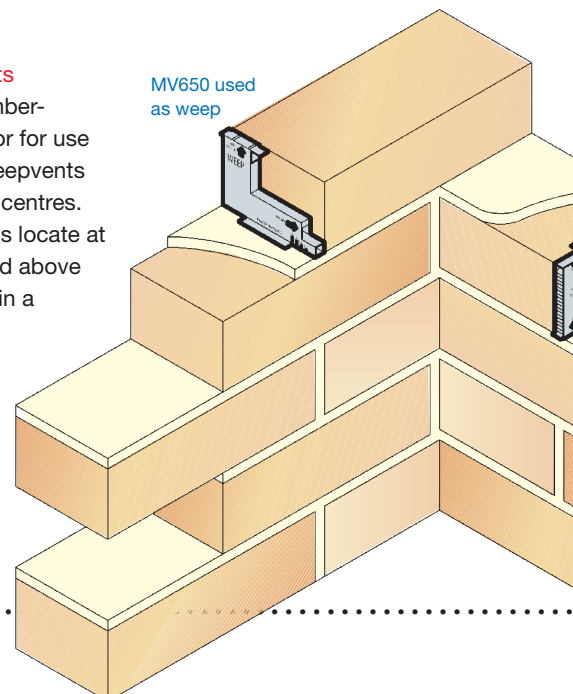
- Cavity wall vent and weep in one innovative unit.
- Ventilation area 220mm²
- Colours: terracotta, buff, grey, clear.
- Driving rain resistant with protection against large insect ingress.
- Fits into a single perpend joint.
- Can be used with brickwork or blockwork and in rendered walls.



Spacing of Weepvents

For use in venting timber-framed wall cavities or for use as weeps, MV650 Weepvents should be at 450mm centres. In timber-framed walls locate at high and low level and above and below fire stops in a staggered layout.

MV650 used as weep



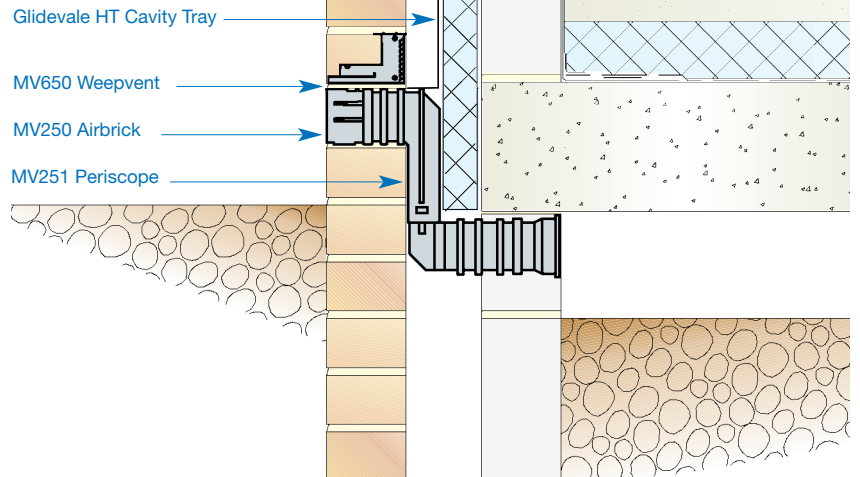
MV255 Straight Sleeve

- Attaches to MV250 Airbrick for straight through-wall applications.
- Works in wall thicknesses from 258 to 305mm.
- Compatible with MV253 Vent Pipe Adaptor.



Typical Applications

Underfloor ventilation



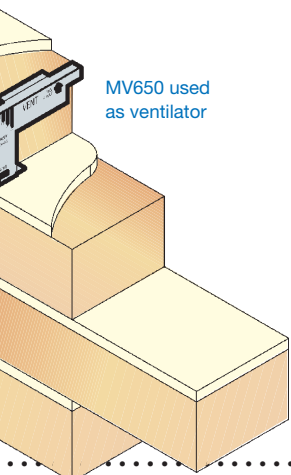
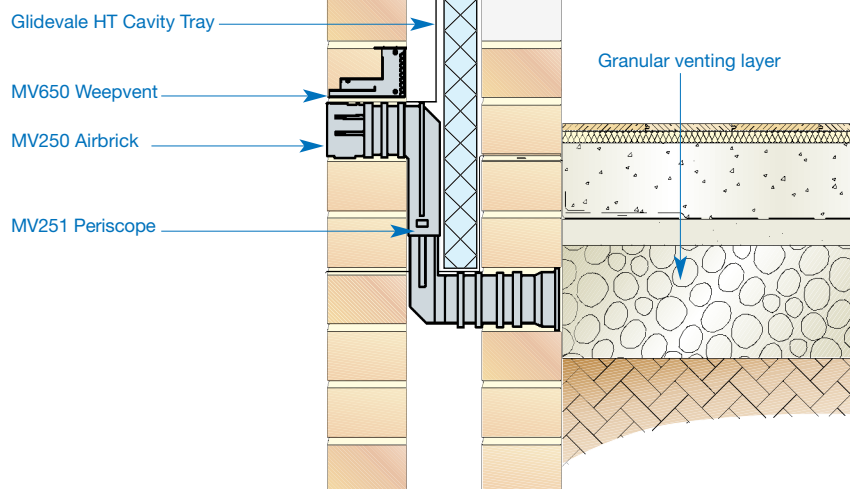
Underfloor vent spacing

MV250 Airbricks for underfloor ventilation should be located on opposite sides of the building. At 5.0m centres they will provide 1500mm² per metre of wall which complies with building regulations. To avoid the risk of stagnant air pockets Glidevale recommend a closer spacing of 2.0m centres and 450mm away from the corners. This will achieve the most efficient mix and distribution of air flow.

Cavity trays

BS 8215 recommends the use of cavity trays above any point where a wall cavity is bridged. The use of HT or HTR trays with HT11 and HT12 stop ends is recommended above MV250, MV251 and MV255 vents.

Solid floor with ventilation



Protect GDB10 Plus
gas membrane

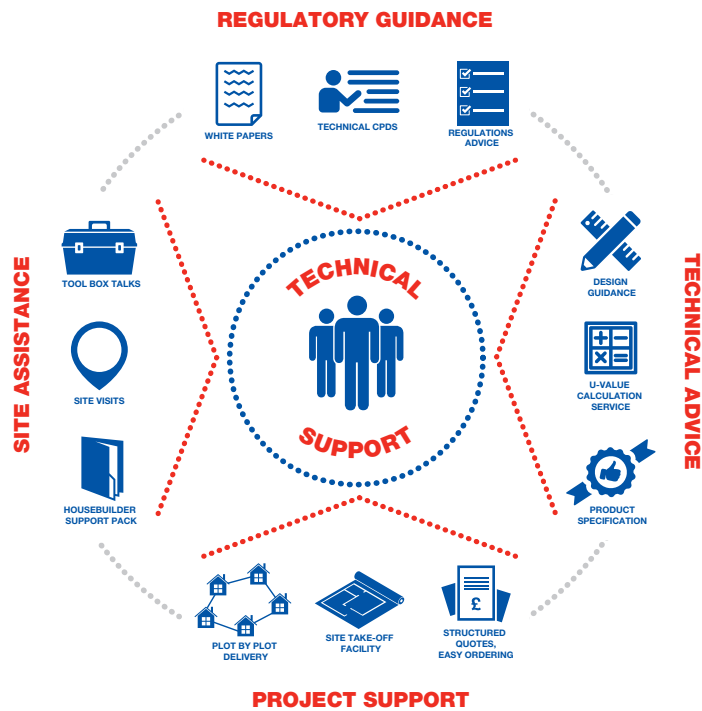


Other products from Glidevale:

- Cavity trays and preformed DPCs.
- Ground floor gas and damp protection products.
- Tile and slate ventilators.
- Abutment ventilation.
- Eaves and low level ventilation systems.
- iPSV® whole-house ventilation system.
- Loft access hatches/ladder.

Technical Support

Glidevale offers a full technical advisory and estimating service. Please contact our Technical Department on 0161 905 5700 or email technical@glidevale.com.



Stockist's stamp

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Glidevale maintains a policy of continuous development and reserves the right to amend product specifications without notice.



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