

FLOOR 6

FIXING ON TOP OF MASONRY FLOORS WITH ANGLE FIXINGS

DESCRIPTION

- 1 Masonry floor
- 2 LVH44 air transfer grille
- 3 Apply a bead of Lorient intumescent sealant around the edge of the LVH44
- 4 **Fixing angle:** 40 x 40 x 1mm thick minimum galvanised steel angles fixed to LVH44 unit with self tapping screws and to wall with masonry anchors

Fixing option 1: Full width angles top and bottom only with 200mm fixing centres

Fixing option 2: (Ideal for fire rating poorly prepared openings): Angles central to all four sides or at 200mm maximum centres

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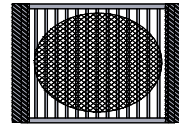
- LVH44 air transfer grille

TOOLS REQUIRED

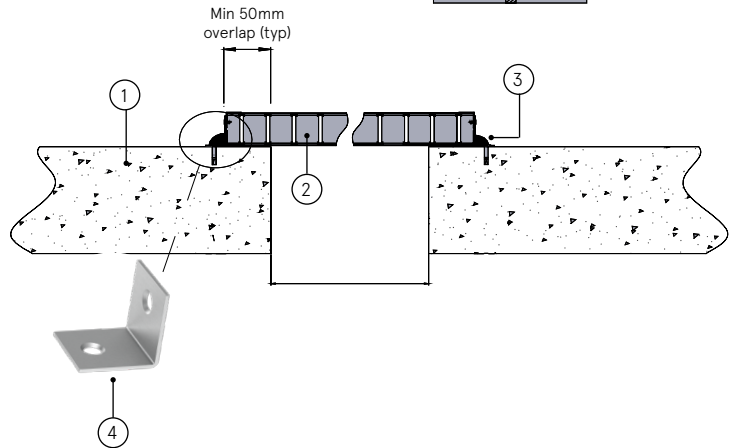
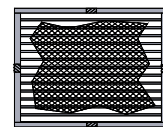
- Lorient intumescent sealant
- Self tapping screws (3.2mm x 16mm)
- Masonry anchors
- Fixing angle (40 x 40 x 1mm)

Note: If no reticulating ductwork is above the slab a protective and load-bearing grate is necessary.

FIXING OPTION 1



FIXING OPTION 2



Fixing on top of masonry floors with angle fixings

FR120

Fire Resistance in accordance with

BS 476-22:1987

Approval Ref

WFRC C121316 (AF5)

Max single cell size

600 x 600mm

LVH44 air transfer grilles are supplied 2mm less than the nominal size e.g. a 300mm x 300mm is actually 298mm x 298mm.

INSTALLATION INSTRUCTIONS

- ▶ Measure penetration ensuring air transfer grille is 50mm larger than penetration in masonry floor.
- ▶ Fix the mounting angles onto the LVH44 unit using self tapping screws.
- ▶ Apply a bead of Lorient intumescent sealant around the edge of the LVH44.
- ▶ Mount air transfer grille onto masonry floor opening.
- ▶ Fix the angles to the masonry floor with masonry anchors.
- ▶ Connect ductwork (or cover grille) directly to floor using approved breakaway connections to ensure compliance.