

FLOOR 3

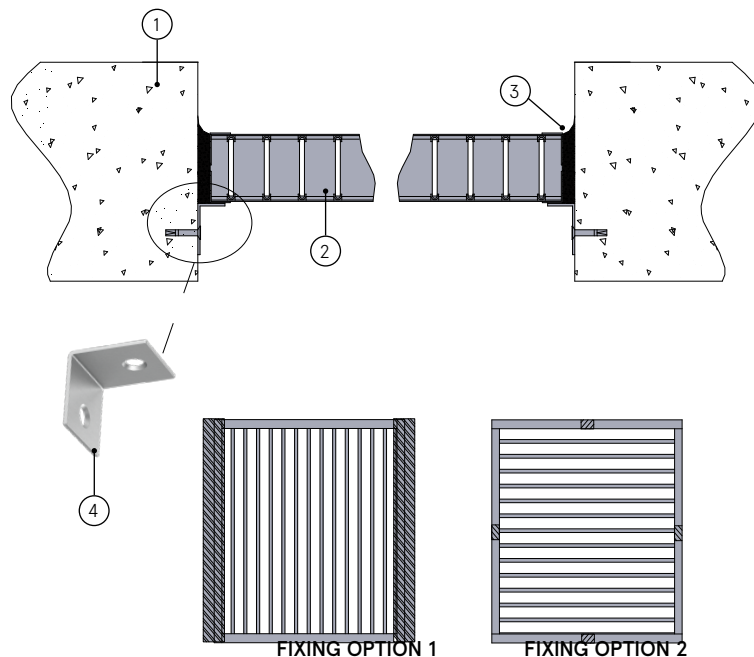
MASONRY FLOOR WITH ANGLE FIXINGS

DESCRIPTION

- 1 Masonry floor
- 2 LVH44 air transfer grille
- 3 Lorient intumescent sealant around LVH44 perimeter to a maximum clearance of 10mm
- 4 **Fixing angle:** 40 x 20 x 1mm thick minimum galvanised steel angles fixed to floor with masonry anchors

Fixing option 1: Full width angles on opposing sides only with 200mm fixing centres

Fixing option 2: 20mm wide angles, central to all four sides or at 200mm maximum centres.



CONTENTS

- LVH44 air transfer grille

TOOLS REQUIRED

- Masonry anchors
- Angle fixings 40 x 20 x 1mm
- Lorient intumescent sealant

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

Masonry floor with angle fixings

FR120

Fire Resistance in accordance with

BS 476-22:1987

Approval Ref

WFR C121316 (AF1)

Max single cell size

600 x 600mm

Larger sizes can be used with different mounting detail.

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

- ▶ Fix the mounting angles to the masonry floor using masonry anchors to **one side only**.
- ▶ Insert LVH44 into masonry floor opening (note: air transfer grille does not have to be centrally positioned in the opening).
- ▶ Apply a bead of Lorient intumescent sealant around the perimeter of metal sleeve as shown (note: maximum annular clearance of 10mm applies).
- ▶ Connect ductwork (or cover grille) directly to floor using approved breakaway connections to ensure compliance.