

# Lorient Fire Rated Air Grilles

## DESCRIPTION

Lorient Intumescent Grilles are an intumescent fire resistant air grille, designed to provide fire protection of air transfer or ventilation penetrations in fire doors. The intumescent material swells at high temperatures, creating a physical barrier and sealing the penetration to maintain the fire resistance level of the door.

## APPLICATIONS

Designed for use in Pyropanel fire door assemblies where air transfer or additional ventilation is required.

For Pyropanel fire door assemblies (FRL up to -/120/30).

*Note: these intumescent grilles are not Fire Dampers.*

## FEATURES

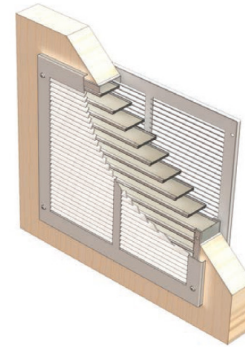
- Maintains the Fire Resistance Level of any Pyropanel fire door with an FRL of up to -/120/30 (tested to AS 1530.4)
- Easy to Install.
- Steel cover plates to each face of door.
- Allows air circulation to maintain temperature control.
- Reduces door closing pressure on enclosed rooms.
- Total area covered by air grilles in fire doors must not exceed 0.66m<sup>2</sup>. Applicable for 300mm x 300mm, 450mm x 450mm and 600mm x 300mm grilles only.

## INSTALLATION

Refer page 2 for installation instructions.

## MODELS AVAILABLE

Model	Size: (H x W) (mm)
LVHFDK - 300 x 300	300 x 300
LVHFDK - 450 x 450	450 x 450
LVHFDK - 600 x 300	600 x 300
LVHFDK - 600 x 600	600 x 600



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## FITTING INSTRUCTIONS

### LVH Intumescent Fire Air Grille Fitted into a Pyropanel Fire door

1. Ensure that cutting an aperture in the door will not detract from the fire integrity of the door. If in doubt, contact the manufacturer to establish the maximum opening size and if there are any position limitations.
2. Cut the aperture to required size with a maximum gap all-around of 5mm. Note: Penetration must be a minimum 500mm from bottom, 138mm from the side edges of the door, and minimum 300mm from top.
3. Pre-drill outer steel cover plates to accept fixing screws.
4. Fit the intumescent grille into the aperture and ensure that it is positioned equidistant from each face and parallel from both faces of the door.
5. Ensure that the perimeter gap between the cut out and intumescent grille is consistent and then apply mastic from both sides to ensure perimeter gap is completely filled and sealed.
6. Position steel cover grille centrally over one face and fix using screws supplied. Repeat to other face.

