

Trade Name: ASTROGRILLE

Intumescent Fire Grilles.

Fire Grilles tested to: BS EN 1634-2

Comprehensive range of sizes includes circular types.

For use in doors & walls Suitable for mounting up to 1,000mm (1m) from floor level.

In excess of 30 or 60 minutes fire rating.

Vermin proof wire mesh 80% free area.

NHBC Type Approval.



NHBC
TYPE APPROVAL

Description

A durable ventilation grille which is easily mounted in doors & walls, and can provide in excess of 1/2 or 1 hour fire protection. Astroflame Fire Grille comprises of a moisture resistant intumescent core within a galvanized steel frame with vermin proof 6mm steel mesh fitted to both faces.

Suitable for fitting up to 1,000mm (1m) from floor level.

The design allows a free area of 80% approximately. See our air-flow table below for guidance.

Availability

All square and rectangular grilles are available to suit 30 minute or 60 minute fire rated applications.

Maximum single grille size is 600 x 600 mm or equivalent area.

Circular grilles are available in 100, 125, 150, 200, 225, 250 and 300mm diameter sizes and are 60 minute fire rated.

Air Flow Specifications

Free Air flow Table: ASTROFLAME Intumescent Fire Grilles.

Top row is width dimension. First column is Height dimension. Sizes in mm

| | 100 | 150 | 200 | 225 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 |
|-----|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 100 | 80cm ² | 120cm ² | 160cm ² | 180cm ² | 200cm ² | 240cm ² | 280cm ² | 320cm ² | 360cm ² | 400cm ² | 440cm ² | 480cm ² |
| 150 | | 180cm ² | 240cm ² | 270cm ² | 300cm ² | 360cm ² | 420cm ² | 480cm ² | 540cm ² | 600cm ² | 660cm ² | 720cm ² |
| 200 | | | 320cm ² | 360cm ² | 400cm ² | 480cm ² | 560cm ² | 640cm ² | 720cm ² | 800cm ² | 880cm ² | 960cm ² |
| 225 | | | | 405cm ² | 450cm ² | 540cm ² | 630cm ² | 720cm ² | 810cm ² | 900cm ² | 990cm ² | 1080cm ² |
| 250 | | | | | 500cm ² | 600cm ² | 700cm ² | 800cm ² | 900cm ² | 1000cm ² | 1100cm ² | 1200cm ² |
| 300 | | | | | | 720cm ² | 840cm ² | 960cm ² | 1080cm ² | 1200cm ² | 1320cm ² | 1440cm ² |
| 350 | | | | | | | 980cm ² | 1120cm ² | 1260cm ² | 1400cm ² | 1540cm ² | 1680cm ² |
| 400 | | | | | | | | 1280cm ² | 1120cm ² | 1600cm ² | 1760cm ² | 1920cm ² |
| 450 | | | | | | | | | 1620cm ² | 1800cm ² | 1980cm ² | 2160cm ² |
| 500 | | | | | | | | | | 2000cm ² | 2200cm ² | 2400cm ² |
| 550 | | | | | | | | | | | 2420cm ² | 2640cm ² |
| 600 | | | | | | | | | | | | 2880cm ² |

Calculations made using 80%(approx) free air flow Please note that this table does not allow for the effects of fitting any of the [ASTROFLAME Steel Louvred Face Plates](#), or any other type of aesthetically pleasing cover over the fire grille. ©1996 ASTROFLAME (Fire Seals) Ltd.

To Order & Specify

Please quote - Quantity / Trade name / Product Ref / Size

Typical wording:- 2 / Astrogrille / Fire Grille / AFFG 300200 / 300x200mm

Fire Tests

Warrington Fire Research: Global Assessment C100767

Chiltern International Fire: FEA/F96117

Trada/Chiltern: RF95041

NHBC Type Approval.

Packing

Individually.

To Order & Specify

Please quote - Product Ref./ Width / Height

Typical wording:- 6no AFFG 300200

or 8no ASTRO Grille 60min 125 diam.

Health and Safety

Please refer to COSHH Data

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