

Intumescent Fire Grilles

Trade Name: ASTROGRILLE



Tested to BS476: Part 22: 1987

Comprehensive range of sizes

For use in walls, floors, doors & ducts

In excess of 30 or 60 minutes fire rating

Vermin proof wire mesh 80% free area

NHBC Type Approval.

Description

A durable ventilation grille which is easily mounted in doors, ducts, floors & 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. The design allows a free area of 80% approximately. See our 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 600mm² or equivalent area, although a combination of grilles may be fitted together as a system to achieve a maximum size of 1500 x 1000mm.

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

Order Code:

AFFG [Width x [Height] - example AFFG 300200 or AFFG 40040

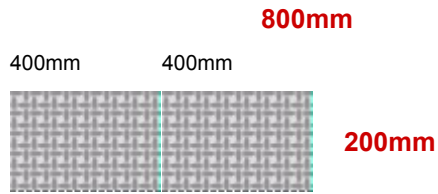
Fire Test or assessment reports::

Warrington Fire Research: Global Assessment C100767

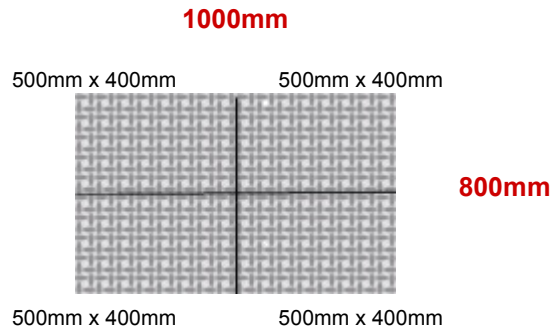
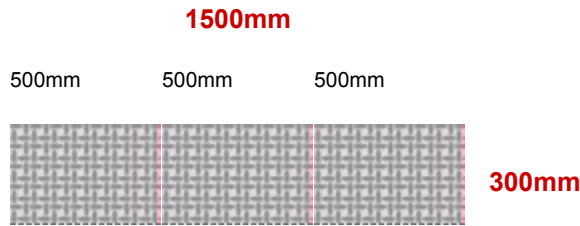
Chiltern International Fire: FEA/F96117

Trada/Chiltern: RF95041

NHBC Type Approval.



Typical combinations of smaller fire grilles to fill a large aperture eg. aperture size **1000mm x 80mm**



Not suitable for use in Air Conditioning Systems

Free Air Flow Table: Using ASTROflame Intumescent Fire Grille.

Size 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 range of steel louvered face plates, or any other type of aesthetically pleasing finish over the fire grille. ©1996 ASTROflame (Fire Seals) Ltd.

Packing

Individually.

To Order & Specify

Please quote - Product Ref./ Width / Height
 Typical wording:- 6no AFFG 300200
 or 8no ASTRO Grille 60min 125 dia

Health And Safety

The product does not present any known health hazards during or after installation. Normal good industrial and personal hygiene practices should be observed

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