

# Product Data Sheet

## Astrogrille

Revision 2 - July 2018



## 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.



#### Product 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.

### Product 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.

Product Code	Product Description	Size
AFFG <i>[please see airflow table below for number reference e.g. AFFG 300200]</i>	Astrogrille	300x200mm <i>[please see airflow table below]</i>

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

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.

### To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size  
 Typical example:- 2 / AFFG 300200 / Astrogrille / 300x200mm

>> Tel: [01329 844 500](tel:01329844500) or >> Email: [sales@astroflame.com](mailto:sales@astroflame.com)

## Installation

Please see installation sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)  
or E: [sales@astroflame.com](mailto:sales@astroflame.com)

## Health and Safety

Please see (SDS) Safety Data sheet - This can be requested from our sales team T: [01329 844 500](tel:01329844500)  
or E: [sales@astroflame.com](mailto:sales@astroflame.com)

## Fire Test or Assessment Reports

- Warrington Fire Research: Global Assessment C100767
- Chiltern International Fire: FEA/F96117
- Trada/Chiltern: RF95041

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