ASTROFLAME
PASSIVE FIRE STOP SYSTEMS

Product Data Sheet

AstroGrille

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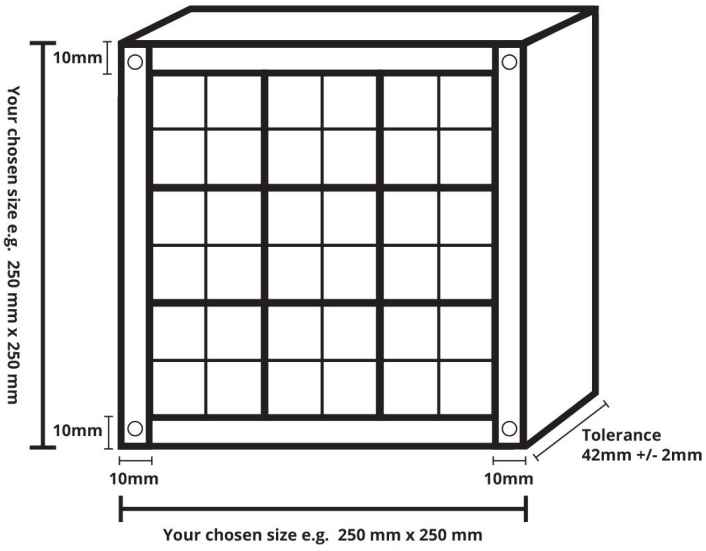
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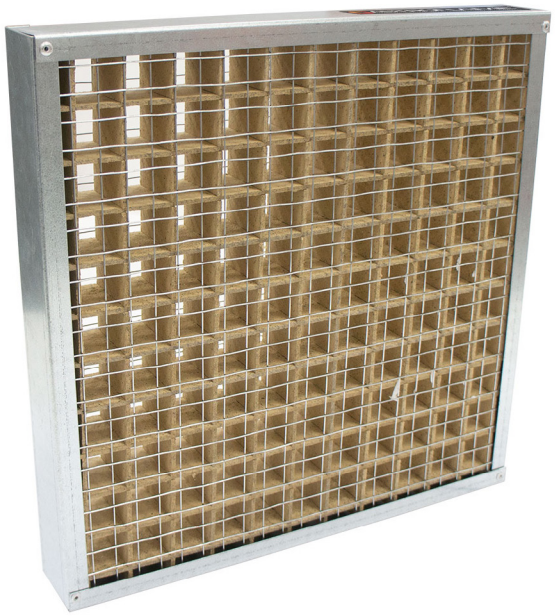
AstroGrille

Intumescent Fire Grilles

- Fire Grilles tested to BS 476: Part 22 1987.
- Comprehensive range of fire grille sizes.
- For use in solid timber fire doors & solid block walls.
- Suitable for mounting up to 1,000mm (1m) from floor level. Top edge of Grille should be no higher than 1,000mm (1m)
- 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 solid timber fire doors & solid block walls, and can provide in excess of 1/2 or 1 hour fire protection. Astroflame Fire Grille comprises of a 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 top of the grille should not be higher than 1000mm from the floor.

The design allows a free area of 80% approximately. See our Free Area table below for guidance.

All square and rectangular grilles are available to suit 30 minute or 60 minute on previously fire rated applications. Please note these fire grilles are tested with a **Steel face Plate (Astro Plates)** either side. Free area table below is for the Fire Grille only at approx. 80%. If you require the free area for the grille and face plate either side please contact us.

Product Availability

Maximum single grille size is 600 x 600 mm.

Product Code	Product Description	Size
AFFG *[please see Free Area table below for number reference e.g. AFFG 300200]*	Astrogrille	300x200mm *[please see airflow table below]*

Free Area Specifications

Free Area 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	80cm²	120cm²	160cm²	180cm²	200cm²	240cm²	280cm²	320cm²	360cm²	400cm²	440cm²	480cm²
150		180cm²	240cm²	270cm²	300cm²	360cm²	420cm²	480cm²	540cm²	600cm²	660cm²	720cm²
200			320cm²	360cm²	400cm²	480cm²	560cm²	640cm²	720cm²	800cm²	880cm²	960cm²
225				405cm²	450cm²	540cm²	630cm²	720cm²	810cm²	900cm²	990cm²	1080cm²
250					500cm²	600cm²	700cm²	800cm²	900cm²	1000cm²	1100cm²	1200cm²
300						720cm²	840cm²	960cm²	1080cm²	1200cm²	1320cm²	1440cm²
350							980cm²	1120cm²	1260cm²	1400cm²	1540cm²	1680cm²
400								1280cm²	1120cm²	1600cm²	1760cm²	1920cm²
450									1620cm²	1800cm²	1980cm²	2160cm²
500										2000cm²	2200cm²	2400cm²
550											2420cm²	2640cm²
600												2880cm²

Calculations made using 80% (approx) Free area. 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 or >> Email: sales@astroflame.com

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel 01329 844 500 or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

How do I install a fire grille (AstroGrille)

- The AstroGrilles is tested with a Steel face Plate (Astro Plates) either side.
- Suitable for fitting up to 1,000mm (1m) from floor level. The top of the grille should not be higher than 1000mm from the floor.
- For block work installation, block work should be a minimum of 75mm thick and with a suitable lintel above the grille so that the grille is non load bearing.
- Line the aperture with **Astro INTU Mastic** and mechanically fix the Grille in place with steel screws in each corner and at 150mm centres both sides.
- Door work installation should be a minimum of 44mm thick.
- The doorset must have been shown capable, by test or assessment, of accepting an aperture of the dimensions required by the proposed AstroGrille without detriment to its fire resistance performance. When determining acceptable aperture cut out dimensions, it is permissible to utilise aperture dimensions approved for glazed vision panels that have not been used.

For further information on installation requirements please refer to the door manufacturer data and wall specification data to ensure the compatibility of this product, if in doubt please contact the technical team on: T: 01329 844 500 or E: sales@astroflame.com

Health and Safety

For further information on health and safety requirements please contact the technical team on: tel 01329 844 500 or email sales@astroflame.com

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The above information to the best of our knowledge is true and accurate and based upon current test data and is supplied for your guidance only. Customers should satisfy themselves to the suitability of the product based on the products limitation of applications and that the product is fit for purpose for their intended use and no guarantee is given or implied since the conditions of actual use are beyond our control. ASTROFLAME (FIRE SEALS) LTD, disclaim any liability for loss, damage or other expense arising from the use of information, data or products mentioned or referred to and reserve the right to change any details or specifications without notice. If you are in any doubt as to the suitability of this product for your intended application please contact our technical team on 01329 844500 or email sales@astroflame.com and we will contact you.