ASTROFLAME
PASSIVE FIRE STOP SYSTEMS

Product Data Sheet

Astro FlexiFire

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FLEXIFIRE
• HARDWARE PROTECTION •

IFC Certification
Certificate number: 1745

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Astro FlexiFire

Flexible Intumescent Sheet for Door Ironmongery



- Multi-directional expansion and pressure provides structure and integrity when filling rebates and voids.
- Unaffected by moisture, humidity, atmospheric pollution and other common industrial and household chemical substances.
- Only 0.8mm thick - so minimal rebating required.
- Successfully tested for 30 & 60 minute applications.
- Very flexible and clean to work with.
- Will bend without cracking.
- Available with or without self adhesive backing.
- Test in accordance with BS 476 Part 22 : 1987 and BS EN 1634-1.
- 3rd party accredited IFC 1745 for hardware protection products.
- Available with full traceability print.



Product Description

Astro FlexiFire is a graphite-based intumescent material that offers high levels of expansion and insulation, preventing heat transfer on rebated hardware. All ironmongery installed on a fire door must be fitted without compromising the integrity of the complete fire door assembly. This is of particular importance where ironmongery is rebated into the doorset such as hinges, locks, latches.

As the material reaches its activation temperature of 180°, the intercalated graphite particles expand many times their original volume. Astro FlexiFire is an ultra thin and flexible high performance graphite based intumescent sheet. At 0.8mm Astro FlexiFire offers high levels of expansion and insulation preventing heat transfer on ironmongery rebated into timber doorsets.

Flexible and fully customisable the Astro FlexiFire is suitable for use on all types of fire rated hardware. For instance on Door Hinges, Door Locks and Latches, Flush Bolts and Door Controls. Please check that your hardware test evidence is compatible with Astro FlexiFire prior to installation.

Product Availability

Hinges			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXIHSPK	Astro FlexiFire **Hinge Pad** 30x100 Pack Of 6	30/60	Poly Bagged
AFFLEXIHS/300	Astro FlexiFire **Hinge Pad** 30x100 (300 pieces per box)	30/60	Box
AFFLEXIHSRPK	Astro FlexiFire **Hinge Pad Radius** 30x100 pack of 6	30/60	Poly Bagged
AFFLEXIHSR/300	Astro FlexiFire **Hinge Pad Radius** 30x100 (300 pieces per box)	30/60	Box

Hinges - Self Adhesive			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXIHSPK/SA	Astro FlexiFire **Hinge Pad** 30x100 pack of 6 S/A	30/60	Poly Bagged
AFFLEXIHS300/SA	Astro FlexiFire **Hinge Pad** 30x100 (300 pieces per box) S/A	30/60	Box
AFFLEXIHSRPK/SA	Astro FlexiFire **Hinge Pad Radius** 30x100 pack of 6 S/A	30/60	Poly Bagged
AFFLEXIHSR300/SA	Astro FlexiFire **Hinge Pad Radius** 30x100 (300 pieces per box) S/A	30/60	Box

Locks & Latches			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXISLK	Astro FlexiFire **Universal BS Sashlock Kit** To Suit 64/76mm Backset C/W Strike Plate - Self Adhesive	30/60	Poly Bagged
AFFLEXIDLK	Astro FlexiFire **Universal Deadlock Kit** To Suit 64/76mm Backset C/W Strike Plate - Self Adhesive	30/60	Poly Bagged
AFFLEXIDINLK	Astro FlexiFire **Universal Bs Din Lock Kit** - Self Adhesive	30/60	Poly Bagged
AFFLEXIFBDLK	Astro FlexiFire **FB1/FB2 Deadlock Kit** C/W Strike Plate - Self Adhesive	30/60	Poly Bagged
AFFLEXITBLK	Astro FlexiFire **Universal Tubular Latch Kit** To Suit 64/76mm Backset C/W Strike Plate - Self Adhesive	30/60	Poly Bagged

Single Door Packs			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXISDPK	Astro FlexiFire **Single Door Packs** - S/A Square **Hinge Pads** 30x100 pack of 6 S/A Square **Intumescent Sheet** 300x200mm S/A	30/60	Poly Bagged

Product Availability

Flush Bolt			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXIFBK	Astro FlexiFire **Flush Bolt Kit - Self Adhesive** 150/200mm To Suit Both Square & Radius Ends	30/60	Poly Bagged

Sheet Material			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXISH200	Astro FlexiFire **Intumescent Sheet** 200x200mm	30/60	Poly Bagged
AFFLEXISH300	Astro FlexiFire **Intumescent Sheet** 300x200mm	30/60	Poly Bagged

Sheet Material - Self Adhesive			
Product Code	Product Description	Fire Rating	Packaging
AFFLEXISH200/SA	Astro FlexiFire **Intumescent Sheet** 200x200mm - Self Adhesive	30/60	Poly Bagged
AFFLEXISH300/SA	Astro FlexiFire **Intumescent Sheet** 300x200mm - Self Adhesive	30/60	Poly Bagged

To Order & Specify

Please contact us and quote the following information - Quantity / Product Code / Product Description / Size
Typical example:- 10 / AFFLEXIHS/PK / Astro FlexiFire - 6 No. Hinge Pads / 30x100mm

>> 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

Each fire door and hardware component will have its own test evidence. It is the responsibility of the purchaser to ensure that the product is fully compliant with the relevant test evidence, if in doubt please contact the technical team on: tel 01329 844 500 or email sales@astroflame.com

Health and Safety

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

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