



# ASTROFLAME

PASSIVE FIRE STOP SYSTEMS

## Fire & Safety Solutions



Get in touch with our sales and technical team for more information:

Tel: **01329 844 500**

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Email: **sales@astroflame.com**

Web: **www.astroflame.com**

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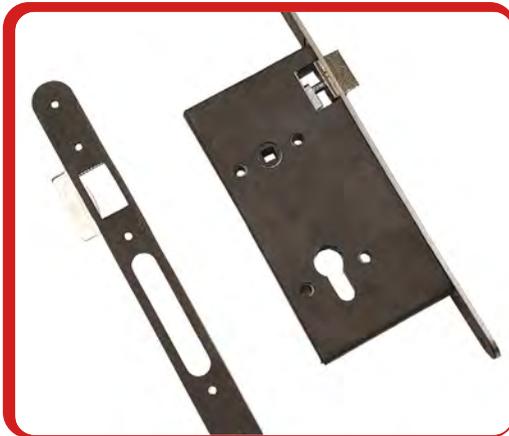
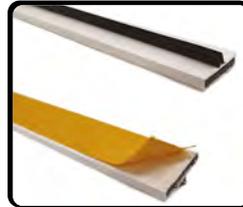
## INTUMESCENT FIRE SEALS

> Trade Name: **Astro Strip**

Intumescent fire and smoke seals for fire door assemblies. An intumescent graphite based fire seal contained within a PVC sleeve for fitting into a rebate to either the leaves or the frame of a door. In the event of a fire the seal expands (intumesces) to many times its original volume and seals the gap around the door to provide a safe and effective barrier against the passage of fire, smoke and hot gases.

Astroflame Intumescent Fire Seals are available with or without a cold smoke seal in the form of a nylon pile. Astroflame smoke seals provide a permanent barrier to smoke - particularly important as smoke fumes travel faster and further than the fire itself.

All Astro fire and smoke seals are supplied with a self-adhesive backing tape as standard to facilitate quick and easy fitting. Fire and smoke seals are available in a choice of colours to suit your requirements or blend with decor.



## IRONMONGERY PROTECTION

> Trade Name: **Astro Flexiseal**

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.

Astroflame Flexiseal is an ultra thin and flexible high performance graphite based intumescent sheet. At 0.8mm Astroflame Flexiseal offers high levels of expansion and insulation preventing heat transfer on ironmongery rebated into timber doorsets.

Product Availability: Hinge Pads square or radius types, Universal BS Sashlock Kit, Universal Deadlock Kit, Universal BS Din Lock Kit, FB1/FB2 Deadlock Kit C/W Strike Plate, Universal Tubular Latch Kit, Single Door Packs, Intumescent Sheets and Flush Bolt Kit.



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## ACOUSTIC RATED DOOR BOTTOM SEALS - REBATED OR SURFACE MOUNTED

> Trade Name: **Astro ASDB and ASDBX Seals**

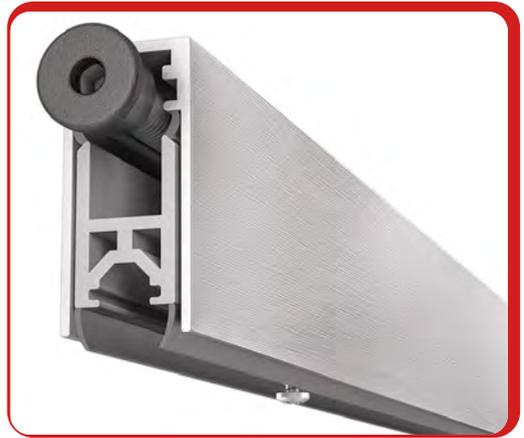
An automatic door bottom seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. An acoustically designed seal for rebated applications.

> Trade Name: **Astro ASDB/SM Seals**

Surface Mounted door bottom seal - drop down type. Aluminium body with rubber coextruded seal and carrier.

> Trade Name: **DB Seal Extension**

The DB SEAL Extension works as an extender with the Astro DB Seal Plus drop down seal. 10mm maximum drop and the seal is manually lowered on the handle side.



## FIRE RATED LETTERBOX

> Trade Name: **Astro Eco Telescopic Letter Box FX**

The Astro eco telescopic letterbox system range is specifically designed to increase the safety and security of occupants against fire and is particularly suited to multiple occupancy residential buildings.

The Astro eco telescopic letterbox is a stylish, ABS framed, telescopic letterbox with metal flaps fitted with a high performance intumescent liner around the telescopic sleeve section.

The letterbox flaps open to 180°. Acoustic and thermal performance features include brush pile draught excluders, integral sound dampening bumpers and a fully sealed backplate.

Available in various sizes and finishes.



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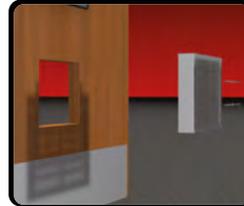
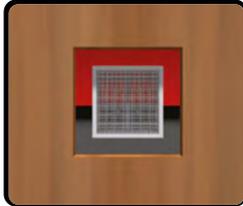
## INTUMESCENT FIRE GRILLES

> Trade Name: **AstroGrille**

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. All square and rectangular grilles are available to suit 30 minute or 60 minute on previously fire rated applications. Please note the fire grilles is tested with a Steel face Plate (Astro Plates) either side.

A huge variety of sized Grilles for more information go to: [www.astroflame.com](http://www.astroflame.com)

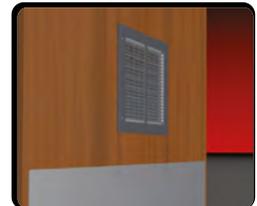
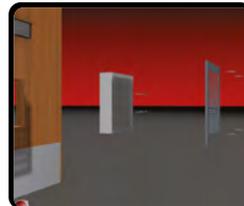
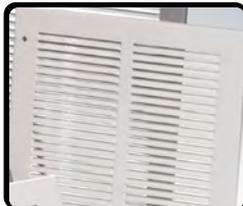


## AIR TRANSFER FACE PLATES

> Trade Name: **Astro Plates**

Astroflame Face Plate Series presents a Mild Steel Louvered Grilles designed to satisfy all types of air transfer application in offices, shops, schools, hospitals and many other commercial projects. Manufactured using modern press machinery and production techniques the Astroflame Face Plate series is robustly fabricated from 20swg mild steel and comprises of horizontal louvres set on an 8.5mm pitch with a 30% downward deflection.

Suitable for internal, surface mounting on doors and walls. The steel construction ensures that the unit is satisfactory not only for Astroflame Intumescent Fire Grilles but can also be used in standard air transfer applications, utilised with the wide flange border providing adequate clearance for fixing to the surrounding structure. Slimline and unobtrusive the unit offers a free area around 66% for economical selection and is readily available in a wide variety of normal and reverse of list sizes. Standard finishes are Satin Aluminium. White finish or RAL colours available on request.



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## FIRE RATED DOOR VIEWER OR HIGH SECURITY DOOR VIEWER

> Trade Name: **Astro FR Door Viewer**

The Astroflame Fire Rated Door Viewer is suitable for standard size thicknesses of 35mm - 55mm and is fire rated up to 60 minutes on timber fire doors and up to 30 minutes fire rated for composite doors. Offering 120 degree view and made from solid brass with 3 Pyrex glass lenses with a 14mm barrel.

> Trade Name: **Astro HS Door Viewer**

A door viewer with extra security features and designed for a wider range of users than standard door viewers. The special prism optics built into this secure door viewer allow the viewer to be stood well back from the door and provide other special features: Whoever is on the other side of the door can not see inside / view movement. High or Low viewing - the viewer can be standing or seated. The lower viewing option is well suited to wheelchair users or children.



Astro HS Door Viewer



Astro HS Door Viewer



## FIRE RATED FRAME FOAM

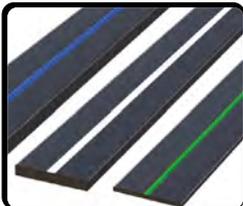
> Trade Name: **Blue 60**

High quality PU foam recommended for sealing applications where fire resistance is required.

Blue 60 is a specially formulated expanding foam that must be used in conjunction with Blue 60 fire rated packers that gives up to 60 minutes fire protection to timber doorsets without the use of additional mastics or sealants.

Blue 60 PU Foam is a single component, moisture curing, self expanding, ready to use polyurethane foam with propellants which are completely harmless to the ozone layer.

It has a fire rating of up to 60 minutes in Timber Doorsets configuration.



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## PVC FINGER GUARD FOR DOORS

> Trade Name: **Astro Finger Saver Elite Front**

Use the Astro Finger Saver Elite Front door safety product to prevent finger trapping accidents in doors, while allowing the door to operate normally. A simple, cost effective device that covers the gap created when doors are open. Also it prevents fingers being trapped on the hinge side of the door.

Astro Finger Saver Elite is ideal for nurseries, schools, residential care homes and the majority of domestic and commercial applications. The slimline folding design only protrudes 30mm from the door face in a closed position. Astro Finger Saver Elite front can be fitted to most types of door including wood, metal and UPVC. It is very simple to install and can be easily removed or refitted for door painting or maintenance purposes. Please note if you are also fitting the Slim Rear Finger Guard, the rear device must be fitted before this front device.

For complete protection add the Slim Rear PVC Finger Guard.



## ANTI-FINGER TRAPPING GUARD

> Trade Name: **Astro FingerKeeper Commercial Front**

The Astro FingerKeeper Commercial device is a guard that prevents door finger trapping accidents. By totally covering the gap that is created on the hinge side of a door, in the open position, it prevents finger trapping injuries. Ideal for use in Schools, Day Care Centres, Nurseries, hospitals or any internal doors that create risk to the Public. The device is designed to create the safest working environment and avoid potentially costly and disruptive injury claims. The device is fully recyclable at end of life.

The device is extremely simple to install and has a long-life expectancy. With its screw fix design, it can be easily removed and refitted if any remedial works are needing to be completed. Various sizes and colours available.

For total protection from finger trapping injuries in doors see also the rear hinge guard - Finger Keeper Rearguard.



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## HEAVY DUTY HINGE GUARD

> Trade Name: **Astro Finger Keeper Industrial TPV**

Finger entrapment in doors can result in serious injuries that have long term effects and may require significant hospital treatment. Preventing such injuries is therefore important. Finger trap protection should be installed in all hinged or pivoted door situations, where users can potentially get fingers caught between the door and the frame. All public areas including shops, hotels and fitness centres should be reviewed for potential risks.

Areas of particular concern include: Schools or child care centres. Children suffer a disproportionate number of finger entrapment injuries because of their lack of understanding of the dangers presented by doors, young children may put their fingers into the gap between a door and its frame without any awareness of the possible consequences. This heavy duty finger-pinch protection device (anti-finger-trapping hinge guard). Manufactured from a TPV material fitted in an Anodised Aluminium carrier, that is supplied with self drilling screws and 2 x push-in screw concealing strips to match.



## ROLLER TYPE FINGER GUARD

> Trade Name: **Astro Finger Defender RP**

A high quality finger guard with resilient blind. When the door opens the roller blind extends to prevent fingers entering the cavity formed between the edge of the door and door frame. A hard wearing synthetic fibre fabric which is mountable, removable, washable and also fire retardant B1 treated. The Astro Finger Defender RP comes with 4 concealed housing fastening screws and 4 visible fabric profile screws.

> Trade Name: **Astro Finger Defender RPQR**

A quick release system is a high quality finger guard with resilient blind. When the door opens the roller blind extends to prevent fingers entering the cavity formed between the edge of the door and door frame. A hard wearing synthetic fibre fabric which is mountable, removable, washable and also fire retardant B1 treated. With its quick release system on one side of the device which allows for inspection and maintenance of hinges, drop seals and fire seals on a fire door.



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## FINGER DEFENDER RANGE

> Trade Name: **Astro Finger Defender**

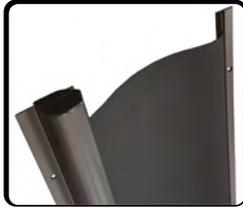
A durable, high quality finger guard with discreet styling, suitable for most single and double-action doors, including automated doors. A resilient 'roller blind' style mechanism prevents fingers from entering the cavity formed between the edge of the door and door frame. Various sizes and colours available.

> Trade Name: **Astro Finger Defender - Glass**

A high quality finger guard designed exclusively for use with glass doors. It uses a resilient blind mounted in a robust aluminium housing that attaches to the door frame.

> Trade Name: **Astro Finger Defender - Washable**

A Washable is ideal for hospitals, kitchens and other clean areas. Perfect for sterile environments as it can be steamed cleaned. A high quality finger guard ideal for use with external doors subject to weathering forces.



## SAFETY PRODUCTS

> Trade Name: **Astro Corner Guard Commercial**

The padded guard reduces impacts and prevents more serious injuries when there is a collision. This tough and durable safety cushioning is designed for indoor use in normal habitable conditions (frost free, dry, no prolonged direct sunlight). Various colours available.

> Trade Name: **Astro Corner Guard Wall Protection**

Astro Corner Guard Wall Protection is perfect for the professional market. The corner guard strips have been specifically designed to offer performance and function in domestic, commercial and heavy traffic areas. Various colours available.

> Trade Name: **Astro Window Restrictor**

A window restrictor protects babies and children from accidental falls via windows or balcony doors opened to allow natural ventilation. It also acts as a security measure to deter opportunist intruders and to restrict what can be passed via the window / door gap.



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## DOWNLIGHTER COVERS OR FIRE RATED LOFT CONES

### > Trade Name: **Astro DL Cover**

Downlighters in ceilings are widely used in commercial buildings. In a fire situation the cover expands internally to fill all the available space with a highly insulating fire resistant char. Thus, the fire is unable to penetrate the hole and the cover is able to give additional insulation protection to the ceiling void to reduce the chance of heat build up and ignition of flammable materials such as accumulated dust and insulation. Various sizes available.

### > Trade Name: **Astro LC Loft Cone**

Designed to provide a fire resistant solution and overcome thermal and vapour transmission into loft voids when installing recessed lights. The 'F-capped' Approved Loft Cone maintains sufficient space around the fitting to allow continuous insulation to be laid directly over light fittings minimising overheating or fire risk.



## LUMINAIRE COVER OR CANOPY

### > Trade Name: **Astro Lumi Cover**

When a ceiling tile is replaced by a recessed luminaire, the integrity of the ceiling's construction and its ability to perform in a fire are reduced significantly. The Luminaire cover has been developed to provide maximum protection for ceilings where fire resistant tiles have been replaced by light fittings. The cover has been designed to allow for ease of fitting. It is self locating and cannot be fitted incorrectly. Various sizes available.

### > Trade Name: **Astro Lumi Canopy**

Astroflame Luminaire Canopies stop the passage of fire and smoke, for up to 60 minutes, through luminaire light fittings in a fire rated ceiling. Without the fire rated canopy in place, fire and smoke will penetrate the recessed light fitting in seconds and spread into the void or room above endangering lives and property. The fire canopies are easy to fit from either side of the ceiling and need no additional supports. They can also be easily removed and replaced for lighting maintenance. Various sizes available.



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## FIRE COLLAR

> Trade Name: **Astro PFP Pipe Closer**

Astro PFP Pipe Closer are designed to maintain the fire resistance of fire rated walls and floors where these are breached by continuous plastic pipes. Astro PFP Pipe Closer can be used in gypsum, masonry and concrete walls and with concrete floors. Each pipe closer consists of a Red/Silver coated circular steel shell that splits in two to fit around the service penetrations by means of a simple 'slide-lock' system.

The steel shell contains a graphite based reactive material which reacts when exposed to heat closing the openings left by the softening plastic pipe in fire. When testing pipes, one can choose not to cap (or close) the pipe, or cap the pipe inside the furnace, or outside the furnace, or on both sides. The configuration chosen depends on the intended application of the pipe and/or the installation environment. Various sizes available.



## FIRE PIPE WRAPS

> Trade Name: **Astro PFP FR Pipe Wrap**

The Astro PFP FR Pipe Wrap is designed to maintain the fire resistance of fire separating walls and floors when these are breached by plastic pipes, conduits or metal pipes with continuous combustible insulation, and may be used in drywalls, masonry or concrete walls and concrete floors.

Each pipe wrap consists of a graphite based reactive intumescent strip, which reacts to heat and closes the opening left by the softening plastic pipe or pipe insulation in a fire. The pipe wrap is installed completely around the pipes or insulation and secured with the self adhesive tab. The annular space around the pipe wrap is sealed with Astro PFP FR EX Mortar or Astro PFP FR Boards. Various sizes available.

## FIRE RATED PUTTY PADS

> Trade Name: **Astro PFP FR Putty Seal**

Astro PFP FR Putty seal is an easy to apply fire and sound rated sealant supplied as a non-setting putty. The putty is hand workable, reusable and re-serviceable due to its non-setting properties. The putty is manufactured and supplied in different shapes and forms for different applications. *Putty Pads for sockets:* When electrical sockets and switches are installed in dry lining partitions, the original fire rating of the partition is compromised. Fitting Putty Pads will reinstate the fire rating of the partition for up to 90 minutes (depending on the partition fire rating) preventing the passage of smoke, flames, sound and air through the electrical socket. *Putty Pads for water supply boxes:* When tap water wall boxes are installed in dry lining partitions, the original fire rating of the partition is compromised. Fitting Putty Pads will reinstate the fire rating of the partition for up to 90 minutes (depending on the partition fire rating) preventing the passage of smoke, flames, sound and air through the electrical socket. Internal, external and cords available.



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## FIRE BOARDS & COATING

### > Trade Name: **Astro PFP FR Boards**

The Astro PFP FR Board is designed to prevent the spread of fire and smoke through openings in fire rated walls and floors where openings are formed to allow the installation of multiple building services. It will also maintain the acoustic design performance in fire rated walls and floors. The Astro PFP FR Board consists of a high density stone wool core, over-coated with Astro PFP FR Coating. The top coating provides additional protection by significantly reducing the permeability of the stone wool core and preventing the passage of hot gases, thus reducing the temperature rise on the unexposed side and reducing heat conduction through the building services. 50mm or 60mm x 600 x 1200mm available.

### > Trade Name: **Astro PFP FR Coating**

Astro PFP FR Coating spray grade, is an ablative sealant coating designed to enhance, seal and fire protect stonewool fibres in Astro PFP FR Boards. Available in 8 Litres.

Astro PFP FR Boards



Astro PFP FR Coating

## FIRE CEILING AIR VALVES

### > Trade Name: **Astro FR Ceiling Valve**

The popularity of whole house ventilation and controlled ventilation is increasing. This results in an increased number of penetrations through fire compartment walls and floors producing open pathways for the passage of both smoke and fire. Recessed ceiling air valves are now widely used in both domestic and commercial buildings. Ceilings must be fire protected in accordance with Approved Document B of the Building Regulations. Ceiling air valves, if left unprotected, allow a fire to spread rapidly through a building.

Once a hole is made in a ceiling for an air valve, the integrity of the construction and its ability to perform in a fire is reduced significantly. This opening must firestopped to reinstated the original fire rating of the ceiling. Our fire rated ceiling air valve performs this fire stopping function when activated by the heat of a fire. Various Extract and Supply types available.



## INTUMESCENT DUCT SLEEVES

### > Trade Name: **Astro DS Duct Sleeves**

The Astroflame range of Astro DS duct sleeves are intended for use where a ventilation duct passes through a fire rated wall. The sleeve maintains the integrity of the fire rated wall which would otherwise be lost. In the event of a fire, the advanced Astro DS Duct Sleeve will expand with the heat, crushing the duct and closing off the hole to the fire for up to 120 minutes except the 220x90mm version which is rated up to 60 minutes. Various shapes and sizes available.

### > Trade Name: **Astro DS Low Profile Duct Sleeve**

Astroflame Duct Sleeves maintain the integrity of fire rated walls penetrated by plastic ventilation ducts. In the event of a fire the intumescent material of the duct sleeve expands and crushes the plastic ventilation duct, closing off this route to the fire for up to 120 minutes. Low profile duct sleeves need no additional metal cage or sleeving, can be slit for retro fitting over ductwork and access is only required from one side. Various shapes and sizes available.

Astro DS Duct Sleeves



Astro DS Low Profile Duct Sleeve



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## FIRE PILLOWS

> Trade Name: **Astro X Series Pillow**

X Series Fire Pillows are designed to provide an effective fire barrier, on a temporary or permanent basis, for services which are subject to frequent changes or replacement. The fire pillows consist of a waterproof glass cloth bag containing organic fillers and intumescent additives. Pillows can be added, removed or rearranged in an aperture to accommodate to the needs of the situation and have been tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.

Tested in block wall, concrete and masonry walls and concrete floors up to 1m<sup>2</sup> area and suitable for indoor and outdoor locations pillows remain flexible between -5°C to +40°C. Three sizes of X Series fire pillow are available; please ensure that the correct pillow is installed to suit the opening size. \*For specific details please refer to the test certification.



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## INSTALLATION

We have technical representatives who provide assistance in the selection and specification of the products in this brochure 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](mailto: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

For further information on installation requirements please refer to the manufacturer data to ensure the compatibility of these products, if in doubt please contact the technical team on: tel **01329 844 500** or email [sales@astroflame.com](mailto:sales@astroflame.com)

UK Office: Astroflame (Fireseals) Ltd, Unit 8, The I.O. Centre, Stephenson Road, Segensworth, Fareham, England PO15 5RU

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