

ASTROFLAME

MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS



We are manufacturers of passive fire stop products, draught and weather sealing systems for the construction industry.

This brochure covers our complete range of products including:

Door Protection, Finger Protection, Safety Protection, Fire Stop Products, Lighting Protection, Mastics & Foams, Fire Proof Paints, Anti Graffiti Paints, Draught Proofing, Acoustic Seals & Disabled Access

We offer a comprehensive range of intumescent passive fire stopping products for use in walls, floors, ceilings, doors, ducts and other fire rated compartmentation structures. Fire testing has been carried out by Certifire, Warrington Fire Research, Chiltern Fire, BRE, Loss Prevention Council and NHBC Type Approval. We also have a large range of CE Marked and UL- EU Listed Products are available ex-stock in over 50 countries worldwide, with overnight AM delivery as standard in the UK and fast despatch by road, sea or air for worldwide destinations.

Our in-house design and test facility offers a fast downtime on new product innovations from concept to completion, we will be pleased to discuss your construction product needs. New products are added to our range all the time - to keep up to date, bookmark our website www.astroflame.com

The entire Astro Group has undergone an extensive quality and reliability programme to ISO9001:2008 approved.



For the most up-to-date product information and specification details on the complete Astroflame Group range please visit our websites.

www.astroflame.com
www.astrodraft.com



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> **Trade Name** ASTRO QUAD SEAL

INTUMESCENT FIRE, SMOKE ACOUSTIC & THERMAL SEAL



> Product Description

THE ASTRO QUAD SEAL SYSTEM Intumescent Fire, smoke, acoustic & thermal seals for fire door assemblies Four Seals in One! The complete solution for fire, smoke, acoustic & thermal containment. Quad Seal is an Astroflame intumescent (graphite based) fire seal combined with a Schlegel Aquamac smoke, acoustic & thermal seal contained within a PVC sleeve that is fitted into a rebate to either the fire door leaves or frame.

In the event of a fire, the fire seal expands (intumesces) to many times its original volume and seal the gap around the door to provide a safe and effective barrier against the passage of fire, smoke and hot gases.

Astroflame Quad Seal provides a permanent barrier to Fire, smoke, acoustic, and thermal applications.

Astro Quad seal is the only product on the market to offer Four solutions in one seal, Fire & Smoke to meet Document B combined together with a low friction Acoustic & Thermal seal to satisfy Document E and Document L.

All Astro Quad seals are supplied with a self adhesive backing tape as standard to facilitate quick and easy fitting. The seals are available in a choice of colours to suit your requirements or blend with decor. Other colours & sizes P.O.A.

> Quick Overview

Fire, smoke, acoustic & draught seal
 Quadseal is 4 Seals in 1
 BS476 Part 22 & 31.1
 BS EN ISO 140-3
 30 or 60 minute rated types
 Smoke Seal to 100,000 cycle test
 Meets Approved Document B
 Meets Approved Document E
 Meets Approved Document L
 4 Popular sizes
 NHBC Type Approval
 CERTIFIRE Approval

> Availability

PRODUCT REF	SIZE	COLOUR
AF1004QBLK	10mm	Black
AF1004QBRN	10mm	Brown
AF1004QWHT	10mm	White
AF1504QBLK	15mm	Black
AF1504QBRN	15mm	Brown
AF1504QWHT	15mm	White
AF2004QBLK	20mm	Black
AF2004QBRN	20mm	Brown
AF2004QWHT	20mm	White
AF2504QBLK	25mm	Black
AF2504QBRN	25mm	Brown
AF2504QWHT	25mm	White

Lengths: 2100mm, 1050mm or Single Door Packs (2 x 2.1m + 1 x 1.05m)

> How to order this product

PLEASE QUOTE QUANTITY/TRADE NAME/COLOUR/SIZE/PRODUCT REF	FOR EXAMPLE 100NO/ASTRO QUAD SEAL/WHITE/10MM/AF1004QWHT
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Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Available Colours

- White Pvc Casing & White Aquamac Seal
- Brown Pvc Casing & Brown Aquamac Seal
- Black Pvc Casing & Black Aquamac Seal

Other Pvc Casing colours available:

- Red
- Cream
- Grey
- Light Brown
- Teak
- Beech
- Beige



> Trade Name ASTRO STRIP

INTUMESCENT FIRE SEALS

> Product Description

Intumescent fire and smoke seals for fire door assemblies. An intumescent graphite based fireseal 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 Fireseals 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. They also have acoustic and thermal applications.

> Packing details for all types

All seals are also available in a pre-pack single door set containing 2x 2.1M & 1x 1.05M lengths complete with fixing instructions. Single Fire Door Pack 2x 2.1m + 1x 1.05m. Packs add /SELDPRK to product code.

Colours:

Brown (B), White(W), Red(R), Black(BLK), Cream(C), Grey(G), Light Brown(LB), Teak(TK), Beech(BEE) & Beige(BEI)
Other colours & sizes P.O.A.

> How to order this product

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

All ASTRO fire and smoke seals are supplied with a self-adhesive backing tape as standard to facilitate quick and easy fitting. Tested for 30 minutes with 10mm and 15mm to BS 476 part 22 & 31.1. Tested for 60 minutes with 20mm 25mm and 30mm to BS 476 part 22 & 31.1. Smoke seals tested to EN1634-3 Tested to 100,000 open/close cycles. NHBC Type Approval.

Fire and smoke seals are available in a choice of 12 colours to suit your requirements or blend with decor. To seal the bottom of the door we suggest using our Surface Mounted Acoustic & Smoke Door Bottom Seals or Rebate Fit Acoustic & Smoke Door Bottom Seals.

10mm seals	2100mm	50 lengths per pack
15mm seals	2100mm	25 lengths per pack
20mm seals	2100mm	25 lengths per pack
25mm seals	2100mm	25 lengths per pack
30mm seals	2100mm	25 lengths per pack



> Quick Overview

Passed at BS476 Part 22 & 31.1

Smoke Seals to EN1634-3

30 or 60 minute rated types

Available in 10 Colours

All seals available in a pre-pack containing 2x2.1M and 1x1.05m lengths complete with fitting instructions.

All seals are supplied with self-adhesive backing tape.

Alternative Smoke Seal fittings:

Grey 6mm Nylon pile to Black or White. Longer length - Grey Nylon pile. 7mm, 9mm or 11mm.

Alternative seals: Black Neoprene Rubber draught seals in single or twin blade.

NHBC Type Approval

Certifire Approval

> **Trade Name** ASTRO STRIP FO - FIRE ONLY

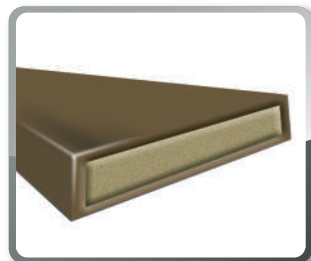
INTUMESCENT STRIP - FIRE ONLY

> Product Description

Intumescent seals for use where no smoke sealing is required.

> Availability

PRODUCT REF	TYPE	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 FO	Fire Only	30 mins	10mm x 4mm	2.1m/1.05m
AF1504 FO	Fire Only	30 mins	15mm x 4mm	2.1m/1.05m
AF2004 FO	Fire Only	60 mins	20mm x 4mm	2.1m/1.05m
AF2504 FO	Fire Only	60 mins	25mm x 4mm	2.1m/1.05m
AF3004 FO	Fire Only	60 mins	30mm x 4mm	2.1m/1.05m



> How to order this product

PLEASE QUOTE
QUANTITY/TRADE NAME/PRODUCT REF/PVC COLOUR/LENGTH

FOR EXAMPLE
50NO/ASTROSTRIPFO/AF1504FO/BROWN/2.1M

> **Trade Name** ASTRO STRIP FS - FIRE & SMOKE

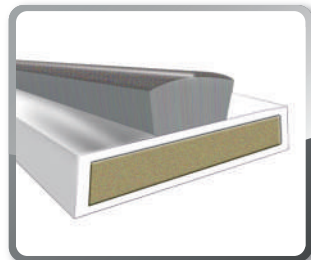
INTUMESCENT STRIP - FIRE & SMOKE

> Product Description

Intumescent fire and smoke seals for a safe and effective barrier against fire, cold smoke and hot gases. Brush colours available: Grey, Black or White.

> Availability

PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 FS	30 mins	10mm x 4mm	2.1m/1.05m
AF1504 FS	30 mins	15mm x 4mm	2.1m/1.05m
AF2004 FS	60 mins	20mm x 4mm	2.1m/1.05m
AF2504 FS	60 mins	25mm x 4mm	2.1m/1.05m



> How to order this product

PLEASE QUOTE
QUANTITY/TRADE NAME/PRODUCT REF/PVC COLOUR/LENGTH

FOR EXAMPLE
50NO/ASTROSTRIPFS/AF1504FS/BROWN/2.1M

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO STRIP SB FIRE & SMOKE WITH SINGLE RUBBER SEAL

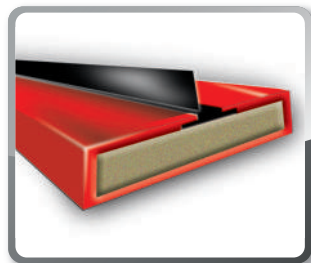
INTUMESCENT SEALS FIRE & SMOKE SINGLE BLADE SEAL

> Product Description

Intumescent fire seal with a black
Neoprene single blade smoke seal.

> Availability

PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 SB	30 mins	10mm x 4mm	2.1m/1.05m
AF1504 SB	30 mins	15mm x 4mm	2.1m/1.05m
AF2004 SB	60 mins	20mm x 4mm	2.1m/1.05m
AF2504 SB	60 mins	25mm x 4mm	2.1m/1.05m



> How to order this product

PLEASE QUOTE
QUANTITY/TRADE NAME/PRODUCT REF/COLOUR/LENGTH

FOR EXAMPLE
25NO./ ASTROSTRIP SB/AF1004 SB/RED/2.1M

> **Trade Name** ASTRO STRIP TB FIRE & SMOKE WITH TWIN RUBBER SEAL

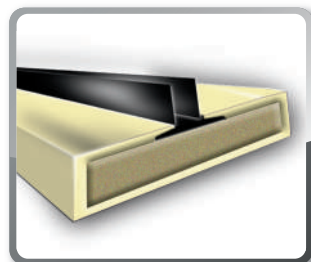
INTUMESCENT SEALS FIRE & SMOKE TWIN BLADE SEAL

> Product Description

Intumescent fire seal with a black
Neoprene twin blade smoke seal.

> Availability

PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 TB	30 mins	10mm x 4mm	2.1m/1.05m
AF1504 TB	30 mins	15mm x 4mm	2.1m/1.05m
AF2004 TB	60 mins	20mm x 4mm	2.1m/1.05m
AF2504 TB	60 mins	25mm x 4mm	2.1m/1.05m



> How to order this product

PLEASE QUOTE
QUANTITY/TRADE NAME/PRODUCT REF/COLOUR/LENGTH

FOR EXAMPLE
75NO./ ASTROSTRIP TB/AF1004 TB/CREAM/2.1M

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO ALUMINIUM DOOR EDGE GUARD : ASTRO PVC DOOR EDGE GUARD

INTUMESCENT DOOR EDGE GUARDS

> Product Description

Doors in hospitals suffer more than most from wear and tear resulting from high traffic levels and impact damage yet any door in a commercial or industrial building is likely to suffer from this loss of integrity.

With constant trolley and wheelchair traffic it is the leading edge of the door that suffers most from 'porter damage' which not only results in general damage to the door but also possible loss of the fire integrity of the door.

Astroflame have overcome this problem with their range of Fire rated Door Edge

Guards which are available in various width sizes and lengths.

Door Edge Guards contain intumescent & smoke seals and have been fully fire tested up to 1/2 or 1 hours and eliminate the need for repetitive maintenance.

Widely specified throughout the UK healthcare market. Converts leaf stile doors to swing stiles Impact tested to 200kg at 3.5 m.p.h and 50kg at 7m.p.h.

Ral colours to order P.O.A.



> Availability

Lengths:

Standard length 2100mm - Longer lengths to order up to 3000mm

DESCRIPTION	COLOUR	RATING	SIZE	PRODUCT REF
Flat Door Edge Guard	SAA	30 min	44mm	AFDEGF / 44SAA
Flat Door Edge Guard	SAA	30 min	46mm	AFDEGF / 46SAA
Flat Door Edge Guard	SAA	60 min	55mm	AFDEGF / 55SAA

> How to order this product

PLEASE QUOTE

QUANTITY/TRADE NAME/SIZE/COLOUR/PRODUCT REF

FOR EXAMPLE

10 /ASTRO ALUMINIUM ROUNDED DOOR EDGE GUARD/44MM/SAA/AFDEGR44SAA

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Quick Overview

Aluminium or PVC Colours to match décor and comply with DDA

Fire & Smoke tested up to 1/2 or 1 hour to BS 476 part 22 & 31.1

Eliminate the need for repetitive maintenance.

Impact protection for both single & double fire doors

Suits new & existing fire doors

New build or refurbishment

Ideal for use in Healthcare, Retail, Schools and Commercial/Public areas

> Trade Name ASTRO PROTECTA

IRONMONGERY PROTECTION



> Product Description

Tested to BS476: Part 22 for up to 60 minute fire rating and EN1634-1 30 minute rating. Upgrade weak points. Choice of widths. Maintenance Free NHBC Type Approval.

A graphite based intumescent material available in various widths which can be easily cut to be fitted behind hinges, door closers and strike plates etc.

> Availability

ASTRO PROTECTA PACK (to suit single Fire Door)

3No 36 x 300 x 2mm - Hinge Strip 1No 500 x 500 x 0.8mm Lock/Door Closer Protection - AFPTEC

ASTRO HINGE PACK - 6No 36 x 300 x 2mm - Hinge Strip - AFHS36

ASTRO LOCK/DOOR CLOSER PACK - 1No 500 x 500 x 0.8mm - Lock Sheet - AFLS

ASTRO INTUMESCENT SHEET - 550mm x 1050mm x 1, 2, 3, 4 or 5mm - AFINS105



> Quick Overview

Tested to BS476-60 min
Tested to EN1634-1 30 min
NHBC Type Approval

> Trade Name ASTRO FLEXISEAL

IRONMONGERY PROTECTION

> Product Description

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, and concealed door closers.

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

Astroflame Flexiseal is suitable for both 30 and 60 minute applications.

> Availability

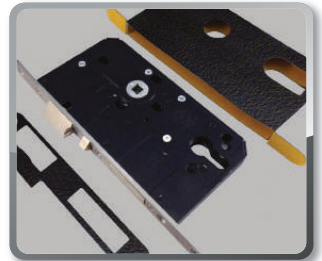
CODE	DESCRIPTION	RATING	SIZE	PACKAGING
AFFLEXIHS/PK	6 No. Hinge Pads	30/60	100 x 31mm	Poly Bagged
AFFLEXIHS/300	300 No. Hinge Pads	30/60	100 x 31mm	Box
AFFLEXIHSR/PK	6 No. Hinge Pads Radius Corners	30/60	100 x 31mm	Poly Bagged
AFFLEXIHSR/300	300 No. Hinge Pads Radius Corners	30/60	100 x 31mm	Box
AFFLEXIDLK	Universal BS Deadlock Kit c/w strikeplate - Self Adhesive	30/60	-	Poly Bagged
AFFLEXISLK	Universal BS Sashlock Kit c/w strikeplate - Self Adhesive	30/60	-	Poly Bagged
AFFLEXIDINLK	Universal Din BS Sashlock Kit c/w strikeplate - Self Adhesive	30/60	-	Poly Bagged
AFFLEXIFBK	200mm Lever Action Flush Bolt Kit Radius Ends- Self Adhesive	30/60	-	Poly Bagged

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
10 / ASTRO FLEXISEAL / AFFLEXIHS/PK

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com



> Quick Overview

Unaffected by moisture, humidity & atmospheric pollution.
Only 0.8mm thick - so minimal rebating required
very flexible and clean to work with - will bend without cracking
Available with or without self adhesive backing
bS 476 part 22 ; 1978 - 30 and 60 minute rating
BS EN 1634-1 : 2008 - 30 and 60 minute rating

> Trade Name ASTROLINER

INTUMESCENT LETTERBOX LINERS

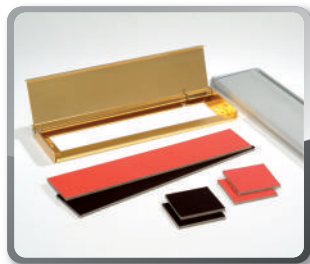


> Product Description

Consists of a high performance, self adhesive backed, PVC laminated intumescent material which has been designed to line the aperture of letterboxes in fire resistant doors. On exposure to a fire the liner will rapidly expand (intumesce) to seal the aperture and stop the spread of fire, smoke and hot gases through the door. The liner has been independently tested in accordance with BS476: Part 22: 1987 and the 50mm can provide in excess of 1 hour fire resistance, 30min 44mm.

Supplied in packs containing sufficient material to suit any size aperture up to 250x50mm and can be used in both 1/2 and 1 hour fire door assemblies. Larger sizes available on request up to aperture size 270mm x 69mm.

Warrington Fire Research Assessment - 30 minute liner 44mm, 60 minute liner 50mm. Liner Colours - Black & Red. Letterplate colours - Brass or Satin Aluminium effect.



> Quick Overview

Tested to BS476: Part 22: 1987
For use in 30 and 60 min. fire doors
Choice of Colour & Letterplates
Self adhesive backed
Easy to install
Maintenance free
Suits new or retro-fit
NHBC Type Approval.

> Availability

PRODUCT REF 30 MIN	LINER COLOUR	LETTERPLATE COLOUR
AFLBL/B/30	BLACK	N/A
AFLBL/R/30	RED	N/A
AFLBSB/B/30	BLACK	BRASS
AFLBSB/R/30	RED	BRASS
AFLBSS/B/30	BLACK	SILVER
AFLBSS/R/30	RED	SILVER

PRODUCT REF 60 MIN	LINER COLOUR	LETTERPLATE COLOUR
AFLBL/B/60	BLACK	N/A
AFLBL/R/60	RED	N/A
AFLBSB/B/60	BLACK	BRASS
AFLBSB/R/60	RED	BRASS
AFLBSS/B/60	BLACK	SILVER
AFLBSS/R/60	RED	SILVER

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY/TRADE NAME/CODE/RATING/COLOUR	12NO / ASTROLINER/ AFLBL/R/30/RED

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO ECO TELESCOPIC LETTER BOX FX (FIRE & SMOKE)

INTUMESCENT FIRE RATED TELESCOPIC LETTERBOX SYSTEM

> Product Description

The Astroflame 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° and the adjustable telescopic sleeve can be set to suit 40mm - 80mm door thickness. Acoustic and thermal

performance features include brush pile draught excluders, integral sound dampening bumpers and a fully sealed backplate.

Available in 10" Standard (272mm x 70mm) and 12" Commercial (306mm x 70mm) sizes. Cut out required is 241mm x 57mm for standard size letterbox and 274mm x 57mm for commercial size letterbox. Adjustable to suit door thickness from 40mm - 80mm and tested for use up to 1050mm from floor level. Both 10" and 12" sizes have a black ABS frame. Except SS which have silver frames.

> Availability

PRODUCT REF	DESCRIPTION	DIMENSIONS	COLOUR
AFTLBFX/30SAA	30 Minute Fire / Smoke	272 x 70mm	Satin Anodised Aluminium
AFTLBFX/30PC	30 Minute Fire / Smoke	272 x 70mm	Chrome Plated
AFTLBFX/30SS	30 Minute Fire / Smoke	272 x 70mm	Stainless Steel
AFTLBFX/30PA	30 Minute Fire / Smoke	272 x 70mm	Polished Silver (CC)
AFTLBFX/30GA	30 Minute Fire / Smoke	272 x 70mm	Polished Gold (CB)
AFTLBFX/30SAA	30 Minute Fire / Smoke	306 x 70mm	Satin Anodised Aluminium
AFTLBFX/30PA	30 Minute Fire / Smoke	306 x 70mm	Chrome Plated
AFTLBFX/30SS	30 Minute Fire / Smoke	306 x 70mm	Stainless Steel
AFTLBFX/30PA	30 Minute Fire / Smoke	306 x 70mm	Polished Silver (CC)
AFTLBFX/30GA	30 Minute Fire / Smoke	306 x 70mm	Polished Gold (CB)



> Quick Overview

30 minute fire rated letterboxes suitable for FD30/FD30S fire doors. Telescopic fitting - adjustable to fit doors 40mm-80mm thickness. Wide range of letter plate finishes. 10" Standard or 12" Commercial sizes. High performance intumescent liner. Tested to BS 476 part 22: 1987, 30 minute rated. Tested to BS 476 Part 31/1: 1983. Acoustic tested achieving Rw32dB. Tested to BS EN 13724 Clause 6.6.5 (Compliant within Scope of PAS 23 & 24)

> **Trade Name** ASTRO TELESCOPIC LETTER BOX FS (FIRE/SMOKE)

INTUMESCENT FIRE RATED TELESCOPIC LETTERBOX SYSTEM



> Product Description

The Astroflame telescopic letter box system range is specially designed to increase the safety, comfort and security of occupants against Fire, Smoke and Noise Pollution.

The range includes models which are either fire & smoke rated from 30 minutes to 1 hour particularly suitable for

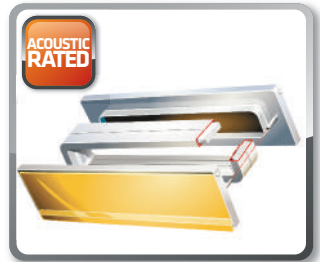
multiple occupancy residential buildings. 30 minute version available in satin anodised or gold anodised. 60 minute version available in brushed and polished stainless steel, polished brass.

Optional security features for 60 Minute versions are an internal Security Cowl & Latch.

Acoustic version P.O.A.

> Availability

PRODUCT REF	DESCRIPTION	COLOUR
AFTLBFS/30SA	30 Min Fire/Smoke 42-47mm	Satin Anodised aluminium
AFTLBFS/30GA	30 Min Fire/Smoke 42-47mm	Gold Anodised Aluminium
AFTLBFS/60SS	60 Min Fire/Smoke 52-57mm	Satin Brushed Stainless Steel
AFTLBFS/60MPS	60 Min Fire/Smoke 52-57mm	Mirror Polished Stainless Steel
AFTLBFS/60PB	60 Min Fire/Smoke 52-57mm	Polished Brass & Lacquer



> Quick Overview

Tested to BS 476 PART 22 for 30 or 60 minutes fire rating. Tested to BS EN 20140-10. Adjustable door thickness from 42-47mm, 47-52mm & 52-57mm. Supplied complete with internal flap and aperture liner. Fire & Smoke in one system. Certifire Approval.

> **Trade Name** ASTRO TELESCOPIC LETTERBOX FXC 30/60

INTUMESCENT FIRE & SMOKE RATED TELESCOPIC LETTERBOXES

> Product Description

A robust commercial metal framed telescopic letterbox with metal flaps and a high performance intumescent liner. In the event of a fire the intumescent liner expands to seal the letterbox aperture and retains the fire integrity of the door. Fire and smoke rated for 30 or 60 minutes. Security tested to PAS 23/24.

Fitted with brush pile draught excluders and sound dampening bumpers with a fully sealed backplate. Available in Satin Anodised Aluminium, Polished Gold and Polished Silver finishes.

Typical application: fitting to fire doors in multiple occupancy residential buildings.

Cut out required on this size is 275mm x 55mm. Brushes are designed to go to

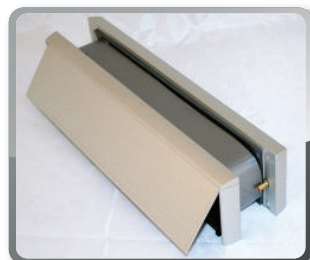
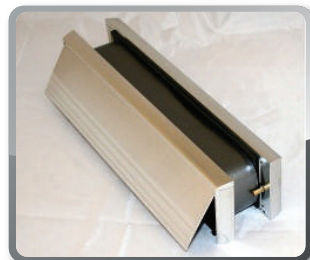
the outside for maximum protection and draught proofing.

The overall size is 306mm x 70mm and comes as a 30/60 minute rated intumescent telescopic letterbox system with matching metal frame and metal letter plate flaps available in three finishes:

Satin Anodised Aluminium
Polished Gold Anodised
Polished Silver

An adjustable telescopic sleeve can be set from 40mm to 80mm door thickness. Letterbox flaps open to 115°. Tested for use up to 1050 mm from floor level

Suits 30 or 60 minute Fire Doors



> Availability

PRODUCT REF	DESCRIPTION	FINISH
AFTLBFXC/60SAAMF	60 Minute Fire / Smoke Letterbox - 306 x 70mm	Satin Anodised Aluminium (SAA)
AFTLBFXC/60GAMF	60 Minute Fire / Smoke Letterbox - 306 x 70mm	Polished Gold
AFTLBFXC/60PAMF	60 Minute Fire / Smoke Letterbox - 306 x 70mm	Polished Silver

> Quick Overview

12" Width 30 / 60 min Fire Rated Letterbox
Adjustable for door thickness from 40-80mm
Choice of 3 letter plate finishes
Fire tested to BS 476 part 22
Smoke Tested to BS 476 part 31.1
Security tested to PAS 23/24
BS 2911 Compliant

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF / RATING / FINISH	12NO / ASTRO TELESCOPIC LETTER BOX.FXC60 / AFTLBFXC/60SAAMF / 60 MINS / SAA

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO FR DOOR VIEWER

FIRE RATED DOOR VIEWER

> Product Description

The Astroflame Fire Rated Door Viewer is suitable for standard size thicknesses of 35mm - 55mm and is fire rated for 60 minutes. Offering 180 degree view and made from solid brass with 3 Pyrex glass lenses with a 14mm barrel. Conforms to DHF TS02 Specification

> Quick Overview

Fire Rated Door Viewer.
Tested to BS476 Pt.22 60 min.
Tested to EN1634-1 30 min.
Solid brass with Pyrex lenses
Suits 35mm - 55mm thickness doors
180 degree viewing angle
Brass or Chrome finish
Contract range also available P.O.A



> How to order this product

PLEASE QUOTE
QUANTITY / PRODUCT REF / FINISH

FOR EXAMPLE
6 NO / AFDV14B / BRASS OR 6 NO / AFDV14C / CHROME

> **Trade Name** ASTRO HS DOOR VIEWER

FIRE RATED, HIGH SECURITY, DOOR VIEWER

> Product Description

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 and Low viewing angles supported.
The person viewing can be up to 2 metres back from the door and still see who is outside over a viewing angle of up to 180°. High or Low viewing - the viewer can be standing or seated. The lower viewing option is well suited to wheelchair users or children.

> Quick Overview

High Security Door Viewer
Fire Rated for 60 minutes.
Suits 35mm - 62mm thickness doors
Person viewing can be seated or standing.
Prism system permits viewer to be up to 2 metres away from the door.
180° external viewing area.
Antique Gold or Silver Finish in plastic.



> How to order this product

PLEASE QUOTE
QUANTITY / PRODUCT REF / FINISH

FOR EXAMPLE
2 NO / AFDV38G / GOLD OR 2 NO / AFDV38S / SILVER

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Trade Name ASTROGRILLE

INTUMESCENT FIRE GRILLES



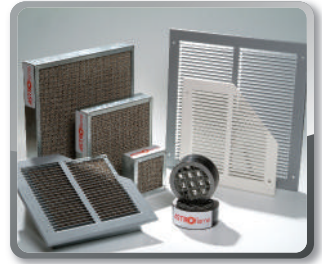
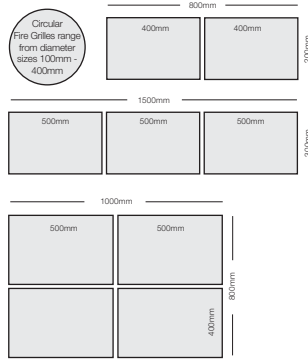
> Product Description

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.

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.

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 Louvered Face Plates, or any other type of aesthetically pleasing cover over the fire grille.



> Quick Overview

Fire Grilles tested to: BS EN 1634-2 + BS476 pt22

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
NHBC Type Approval.

> Free Air flow Table

	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	1420cm 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

Top row is width dimension. First column is Height dimension. Sizes in mm

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / SIZE

FOR EXAMPLE
2 / ASTROGRILLE / AFFG 300200 / 300X200MM

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO PLATES

AIR TRANSFER FACE PLATES

> Product Description

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 in 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 70% for economical selection and is readily available in a wide variety of normal and reverse of list sizes. Standard finish is Satin Aluminium. White or RAL colours available on request.



> Quick Overview

Steel construction
Satin Aluminium or White finish
Custom finish to RAL colour available.
For internal use
Complete range of sizes
Door or wall mounting

> Dimensional Data

SIZE MM	100.00	150.00	200.00	250.00	300.00	350.00	400.00	450.00	500.00	600.00
100.00	102x102	152x102	203x102	254x102	305x102	356x102	406x102	457x102	508x102	610x102
150.00		152x152	203x152	254x152	305x152	356x152	406x152	457x152	508x152	610x152
200.00			203x203	254x203	305x203	356x203	406x203	457x203	508x203	610x203
250.00				254x254	305x254	356x254	406x254	457x254	508x254	610x254
300.00					305x305	356x305	406x305	457x305	508x305	610x305
350.00						356x356	406x356	457x356	508x356	610x356
400.00							406x406	457x406	508x406	610x406
450.00								457x457	508x457	610x457
500.00									508x508	610x508
600.00										610x610

> How to order this product

PLEASE QUOTE
 AFP (WIDTH X HEIGHT) / COLOUR

FOR EXAMPLE
 AFP150150/SA : AFP500400/WHT

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO U CHANNEL

INTUMESCENT GLAZING CHANNEL

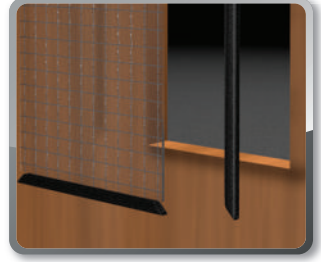
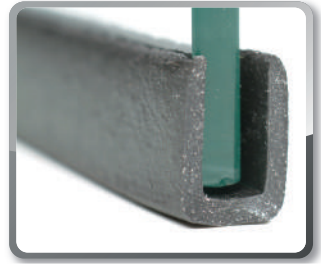
> Product Description

U Channel for 6mm glass. Cost effective, easily installed dry glazing gasket for use in fire doors using clear or wired glass. Elastic composition of the channel grips the glass. 15mm tall 10.5mm wide and supplied in 100 Metre lengths.

Colour - Black Only
Meets appropriate BS and Building Regulation standards.

> Quick Overview

30 minute rated
BS 476 Parts 20 & 22 1987
For use in glass up to 600mm x 600mm
Intumescent material
Impervious to water and moisture.
Easy and clean application.
Elasticated material grips the glass.



> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF / LENGTH

FOR EXAMPLE

5 / ASTRO U CHANNEL / AFUC6/ 100M

> **Trade Name** ASTROTAPE

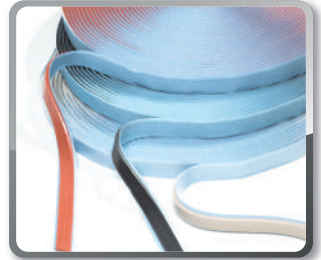
INTUMESCENT GLAZING TAPE



> Product Description

A flexible self adhesive polymer based extruded intumescent material suitable for sealing wired or fire resistant glazing into wooden fire doors and fire resistant partitions. On exposure to heat from a fire Astroflame Intumescent tape swells, thus prohibiting smoke and flame from

passing through the aperture between wood and glass, providing resistance in excess of 1/2 hour. Supplied in roll form it offers the user a high performance, non load bearing tape for accurate placement, with no waste and requiring no specialist applications.



> Availability

CODE	COLOUR	SIZE
AFIT12B	BROWN	12mm x 3mm x 15mtr
AFIT12W	OFF-WHITE	12mm x 3mm x 15mtr
AFIT12BLK	BLACK	12mm x 3mm x 15mtr

> How to order this product

PLEASE QUOTE

QUANTITY/TRADENAME/PRODUCT REF/COLOUR/

FOR EXAMPLE

10 / ASTROTAPE / AFT12B / BROWN

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO ASP SEAL

ACOUSTIC & SMOKE PERIMETER SEALS

> Product Description

A co-extruded PVC, acoustic and smoke perimeter self adhesive seal. Located in the protected corners of rebated frames of single or double broad butt hinged doors and windows. The Min / Max Gap is 3mm to 5.5mm. Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index up to Rw39dB*. Suitable for new and retrofit applications. The seals are quick and easy to apply.

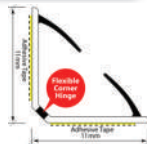
Applications

- Pedestrian doorsets, single and double leaf configurations
- Surface mounted substrates: timber, steel, composite materials
- Latched and unlatched doors
- New build or retro-fit applications

Product Features

- Rigid legs with a flexible hinged corner makes for easy fitting
- Excellent compression and deflection performance
- Low closing forces due to low co-efficient material used

The Astro Acoustic & Smoke Perimeter seal is manufactured from a rigid and flexible flame retardant PVC, complete with an aggressive self adhesive backing tape on both sides of the rigid carrier. For full acoustic and smoke sealing the ASTRO Acoustic & Smoke Perimeter seal should be used in conjunction with a rebated, semi morticed or surface mounted door bottom seal and where required acoustic & perhaps disabled access threshold seal. Length: 2100mm



> Quick Overview

Perimeter seals for proprietary fire doors acoustically and smoke tested.

BS 476 Part 31.1

BS EN 1634 Part 4

Sound reduction

Up to Rw39dB* (single seal)

Up to Rw35dB* (twin fin)

Suitable for new and retrofit

Easy to install ASP self adhesive seals

Colour options for ASP seal Black, Brown, White, Light Oak

> How to order this product

PLEASE QUOTE

QTY / TRADE NAME / TYPE / COLOUR / PRODUCT REF

FOR EXAMPLE

10 / ASTRO ASP SEAL / 2100MM / WHITE / AFASP/WHT

> **Trade Name** ASTRO ASP/TF SEAL

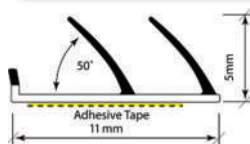
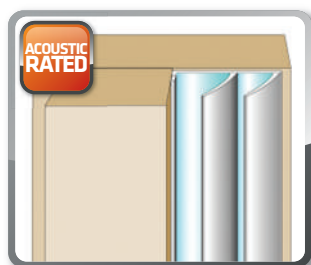
ACOUSTIC & SMOKE PERIMETER SEALS

> Product Description

Similar to the ASP Seal the ASP/TF Twin Fin Seal is a compact design ideal for hygiene and clean rooms and removes the need to fit separate smoke seals.

Engineered to size to avoid overlapping door ironmongery with excellent compression and deflection performance and allows reduced door closing force due to a low co-efficient material used in integral fins. Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index up to Rw35dB*. Suitable for new and retrofit applications

the seals are quick and easy to apply. The Astro Acoustic & Smoke Perimeter TF seal is manufactured from rigid and flexible flame retardant PVC, complete with an aggressive self adhesive backing tape. For full acoustic and smoke sealing the Astro Acoustic & Smoke Perimeter seal should be used in conjunction with a rebated, semi morticed or surface mounted door bottom seal and where required acoustic & perhaps disabled access threshold seal. Length: 2100mm Colours: Black, Brown, White or Light Oak



> How to order this product

PLEASE QUOTE

QTY / TRADE NAME / TYPE / COLOUR / PRODUCT REF

FOR EXAMPLE

10 / ASTRO ASP/TF SEAL / 2100MM / WHITE / AFASP/TF/WHT

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO ASDB SEAL

ACOUSTIC & SMOKE RATED DOOR BOTTOM SEALS - REBATED

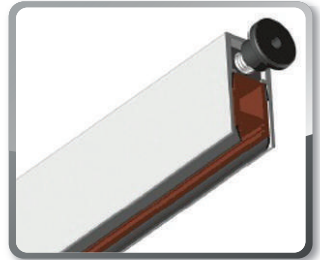
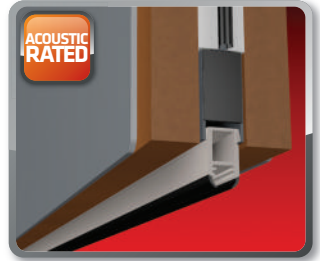
> Product Description

ASTRO ASDB SEAL - Rebate Fit Version
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. mounted into a 13mm x 28mm groove that has been morticed into the bottom edge of the door. It is operated automatically by pressure against the door jamb on its adjusting screw and seals when the door closes and retracts automatically when the door is opened. Can be fitted inside (lock side using bumper provided) or outside of the door (non lock side). Tested for durability 200,000 cycles completed without failure for fire rated smoke doors. Suitable for all types of wooden doors. 14mm maximum drop. Graduated Scissor action (seal drops on hinge side before lock side). Noise Reduction Index up to Rw42dB. Min/Max Gap: 3mm - 13mm.

Seal Lengths:
330mm, 430mm, 530mm, 630mm, 730mm, 830mm, 930mm, 1030mm, 1130mm, Maximum trimming length 100mm. Anodised Satin clear finish. Seal easily removed to prevent damage during installation.

> Quick Overview

Door bottom seals - drop down type.
Acoustically and smoke tested on proprietary fire doors
Aluminium body with self extinguishing PVC rubber coextruded seal and carrier.
Sound reduction up to Rw42dB or 51dB x version
Suitable for new and retrofit
Rebated fitting - comes with prefitted screws.
Anodised satin clear finish
Tested to 200,000 cycles.

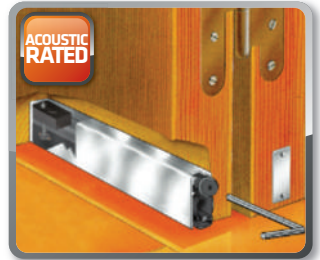


> **Trade Name** ASTRO AFASDBX DB PLUS SEAL

> Product Description

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. mounted into a 15mm x 28mm groove that has been morticed into the bottom edge of the door. It is operated automatically by pressure against the door jamb on its adjusting screw and seals when the door closes and retracts automatically when the door is opened. Can be fitted inside (lock side using bumper provided) or outside of the door (non lock side).

Tested for durability 200,000 cycles completed without failure for fire rated smoke doors. 14mm maximum drop. Graduated Scissor action (seal drops on hinge side before lock side). Seal easily removed to prevent damage during installation. Noise Reduction Index up to Rw51dB. Min/Max Gap: 3mm - 14mm. Seal Lengths: 330mm, 430mm, 530mm, 630mm, 730mm, 830mm, 930mm, 1030mm, 1130mm, 1230mm. Maximum trimming length 150mm. Anodised Satin clear finish



> **Trade Name** ASTRO AFASDBX/FBEXT AFASDBX/FBBOLT

> Product Description

A unique solution to fitting rebated flush bolts in conjunction with drop down seals. 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.

Also available are 150mm Stainless Steel Flush Bolts (AFASDBX/FBBOLT) with radiused ends designed to work with the DB Seal Extension. Suitable for double leaf timber doors. Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index Rw35dB.

> How to order this product



PLEASE QUOTE
QTY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
10 / ASTRO DB SEAL PLUS EXTENSION / AFASDBX/FBEXT

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO ASDB/SM SEAL

ACOUSTIC & SMOKE RATED DOOR BOTTOM SEAL - SURFACE MOUNTED

> Product Description

ASTRO ASDB/SM SEAL is a 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 face mounted applications. It is operated automatically by pressure against the door jamb on its adjustment block and seals when the door closes and retracts automatically when the door is opened. Can be fitted inside (lock side using bumper provided) or outside of the door (non lock side)

Tested for durability 200,000 cycles completed without failure for fire rated smoke doors. 14mm maximum drop. Seal drops on hinge side before lock side. Suitable for all types of swing doors. Noise Reduction Index: Rw up to Rw33dB* Min/Max Gap: 3mm - 14mm.

Seal Lengths:
330mm, 430mm, 530mm, 630mm,
730mm, 830mm, 930mm, 1030mm,
1130mm, 1230mm.
Maximum trimming length 150mm.
Finish: Anodised Satin Clear.

> Quick Overview

Surface Mounted door bottom seal - drop down type.

Suitable for wooden or metal door assemblies.

Acoustically and smoke tested on proprietary fire doors

Aluminium body with self extinguishing PVC rubber coextruded seal and carrier.

Sound reduction of up to Rw33dB*

Suitable for new and retrofit

Screw fixing (screws supplied)

Anodised satin clear finish

Tested to 200,000 cycles.



> How to order this product

PLEASE QUOTE

QTY / TRADE NAME / SIZE / PRODUCT REF

FOR EXAMPLE

10 / ASTRO ASDBSM SEAL / 1030 / AFASDBSM/1030

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com



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ASTROFLAME
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS













Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light. The following is a selection of the Raven Smoke Rated Seals available from the comprehensive range shown on www.astrodraft.com. All seals are only available in an anodised satin clear finish.

L = Light Duty seals include those typically used in residential applications or light traffic areas. **M = Medium Duty seals** are used in commercial applications such as office spaces, shops, commercial accommodation or medium traffic areas. **H = Heavy Duty seals** are designed for areas with a high level of use such as public hospitals, airports, factories, shopping centres or areas with a large through flow of pedestrian and wheeled traffic.



**FOR ADDITIONAL RAVEN SEALS
PLEASE VIEW OUR WEBSITE
OR GO TO THE DRAFT PROOFING
SECTION OF THIS CATALOGUE.**

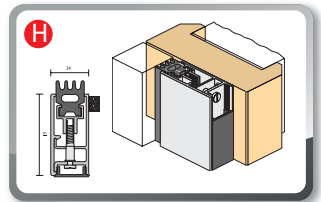
-  Acoustic
-  Ambient (cold) Smoke up to 70°C
-  Medium Temp. Smoke 200°C for 30 minutes (Smoke Doors)
-  Fire & Hot Smoke Fully developed fires exceeding 600°C and hot smoke beyond 200°C (Intumescent Fire Seals)
-  Insects and Vermin
-  Weather
-  Energy, Draughts & Dust
-  Fire (approved)
-  Access & Mobility
-  Light

PERIMETER SMOKE SEAL RP24SI

> Product Description

An adjustable door stop seal for noise, light and smoke. The RP24 seal uses independently adjustable fasteners to achieve up to 8mm sealing adjustment for maximum noise control. The seal can be butt jointed at the corners to produce an easily installed continuous seal around the door frame. Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door. It is tamper proof with fully

concealed fasteners to give the seal an aesthetic appearance. The closed cell S.E. Sponge E.P.D.M. seal requires only normal door closing force. If fixing to rebated frames of single doors, specify a long backset door latch. RP24 has been granted an Australian Design Award. It is an effective acoustic seal when tested in accordance with BS2750, it meets smoke leakage requirements of BS5588 Pt 1 when tested in accordance with BS476 pT31.1 and has been fire tested in accordance with BS476 Pt22 for half an hour.

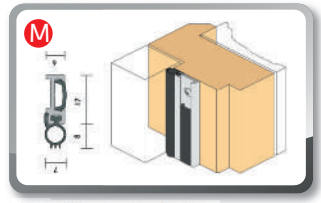


PERIMETER SMOKE SEAL RP78SI

> Product Description

A medium temperature smoke door frame seal that has been tested to AS 1530.4, AS/NZS 1905.1 and conforms to BCA spec. C3.4. 200°C Medium temperature smoke. Equivalent to BS 476 part 20 and 22. It is an acoustically designed smoke seal for

installation on door stops and it can be mitred or butt jointed. Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door.

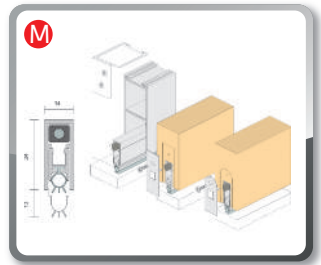


DOOR BOTTOM SMOKE SEAL RP8SI

> Product Description

A hot smoke automatic door bottom seal, with an extruded silicon sealing component, that conforms to the 200 degrees Celsius requirement of BCA c3.4. RP8Si is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. Mounted into a 15mm x 34mm groove that has been morticed into the bottom edge of the door, it is operated automatically by pressure against the door jamb on its adjusting screw.

RP8Si has been tested for durability 1,000,000 cycles completed without failure. Location: Single and double, butt hinged doors. Min/Max Gap: 3mm/13mm. Seal Lengths: 380mm, 600mm, 820mm, 915mm, 1070mm, 1220mm (max). Seal cut back to exact size. Standard Finish: Anodised Satin Clear or Bronze (poa).



> How to order this product

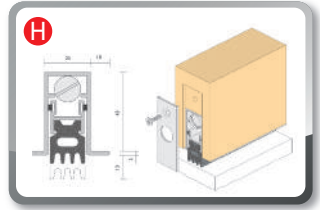
Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

DOOR BOTTOM SMOKE SEAL RP70Si

> Product Description

The RP70Si automatic seal is the fully morticed version of the RP38Si door seal. It is a heavy duty 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. The seal is operated automatically by pressure against the door jamb on the adjusting screw. It seals when the door closes and retracts automatically when door is

opened. It is self levelling. When using RP70Si door bottom seal, the door must be a minimum of 45mm thick and of suitable construction for morticing this seal. It is reversible for left or right handed operation. Note: For double doors, plain meeting stiles are required. RP70Si has been tested for durability ~ 1,000,000 cycles completed without failure.

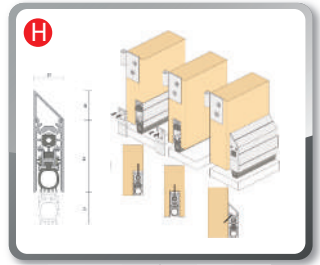


DOOR BOTTOM SMOKE SEAL RP99Si

> Product Description

RP99Si is a heavy duty 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 face mounted, semi morticed or fully morticed applications. It is operated automatically by pressure against the door jamb on its adjustment block. RP99Si seals when the door closes and

retracts automatically when the door is opened. RP99Si has been tested for durability, 1,000,000 cycles completed without failure. RP99Si conforms to the 200 degrees Celsius requirement of BCA c3.4 spec, for fire rated & medium smoke doors. All fitting options have been tested and approved on proprietary fire doors to 120 minutes AS1530.4 and AS/NZS2905.1.

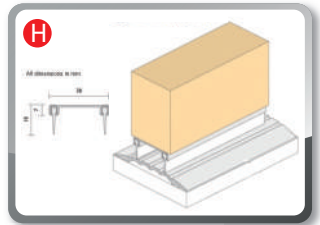


DOOR BOTTOM SMOKE SEAL RP129Si

> Product Description

A silicon rubber seal in a 15 micron anodised Aluminium carrier. Seal carrier is pre-drilled with fixing slots at regular intervals and matching screws are supplied. The seal can be checked out or drilled to accommodate the pivot, thereby providing a continuous seal. Durability Tested to over 1,000,000 operating cycles without failure. Full installation instructions are included with the product. Location: Double butt hinged and centre

pivot double acting doors. Min/Max Gap 14mm to 18mm. Seal Sizes Available in 1250 mm lengths Standard Finish: Aluminium anodised 15 microns. Satin Clear (Silver). Seal Material: Silicon Rubber (SE) (Light grey) Fixing Method: Zinc plated, cross recess S.T. screws of the appropriate size and colour are supplied. Used in Conjunction: Raven threshold plates. Raven RP115 Threshold Plate recommended.

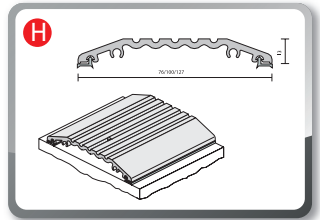


THRESHOLD SMOKE SEAL RP19

> Product Description

A medium temperature smoke door frame seal that has been tested to AS 1530.4, AS/NZS 1905. 1 and conforms to BCA spec. C3.4. 200°C Medium temperature smoke. Equivalent to BS 476 part 20 and 22. It is an acoustically designed smoke seal for installation on door

stops and it can be mitred or butt jointed. Its aluminium carrier is sturdy and slotted for adjustment with concealed fixings. It is quick and easy to install around the jamb and head and can be fitted without removing the door.

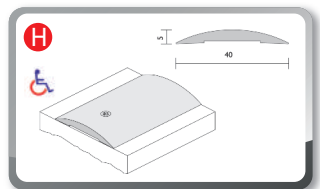


THRESHOLD SMOKE SEAL RP82

> Product Description

A low profile threshold plate used in conjunction with door bottom seals to prevent noise, rain, draught and smoke infiltration.

Location: Door sills. Sizes: 1000 or 2000mm stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door bottom seals.



> How to order this product

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Trade Name ASTRO FINGERKEEPER

FINGERKEEPER COMMERCIAL FRONT & FINGERKEEPER COMMERCIAL REAR GUARD

> Product Description

Finger Keeper is a finger 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. Finger Keeper can be fitted to most types of doors including wood, metal and uPVC.

Sold in 1960mm lengths. Full fitting kit included. Also acts as a secondary smoke inhibitor and draught excluder. Low maintenance - wipe clean finish. Extremely simple to install and has a long life expectancy and can be easily removed and refitted for door painting etc. no glue or nails required. Four panel, wide opening option with additional centre panel for doors with an opening angle greater than 180°. Schools, Day Care Centres, Nurseries etc. - create the safest working environment and avoid potentially costly and disruptive injury claims. You may also benefit from reduced insurance premiums.

> Quick Overview

Finger Keeper is a finger guard (door hinge guard) used to prevent finger trapping accidents in doors.

Acts as a secondary smoke inhibitor and draught excluder.

Fits most door types.

Fits many types of external gate.

Long anticipated lifespan.

Durable and simple DIY fitting.

Wipe clean finish.

Full fitting kit included.

Easily removed and re-fitted to allow door maintenance.

Ten colour options.

Front and Rear hinge cover versions available.

Wide opening option available.

Sold individually or available to order in any quantity in 1960mm lengths. Standard opening option - quote product code AFFK/Colour for front or AFFK/Colour/H - for rear guard.



Finger Keeper Rear Guard



Finger Keeper Commercial

> Availability

COLOUR	White	Brown	Teak	Beech	Beige	Black	Grey	Blue	Yellow	Red
CODE	WH	BR	TK	BEE	BEI	BLK	GR	BLU	YEL	RED

Wide Opening 4 panel option - quote codes below (Front Device Only):

White: AFFKWHX Brown: AFFKBRX

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / COLOUR

FOR EXAMPLE
10 /ASTRO FINGERKEEPER / AFFKBR / BROWN

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO FINGER GUARD CLEAR

TRANSPARENT FINGER GUARD FOR DOORS

> Product Description

A clear finger guard to fit most common interior door sizes. Self adhesive fitting strips are incorporated into the guard, which can further be secured with screws for maximum longevity.

Caution: Do not fit to doors that can open more than 110° without restrict opening to 110° or less using a door stopper, otherwise the strips are likely to tear off from the door or frame and cause damage.

Available in 1950mm lengths. Packed - individually.

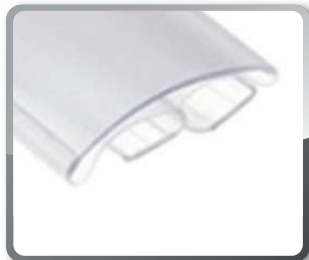
> Availability

ITEM	COLOUR	LENGTH [MM]	PRODUCT REF
FINGER GUARD CLEAR	TRANSPARENT	1950	AFFGCL

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF	10 / ASTRO FINGER GUARD CLEAR / AFFGCL

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com



> Quick Overview

Finger Guard Clear is a strong, transparent finger guard.
Length 1950mm. Opening angle up to 110°
Door thickness up to 5cm
Suitable for internal doors opening up to 110 degrees and up to 5cm thick.
Easy to install to nearly all types of doors using the self-adhesive strip built into the guard.
For maximum integrity / longevity of the finger guard we recommend additional securing of the strip using screws if door and frame materials permit.
Tested to 250,000 open / close cycles
The transparent guard avoids possible décor colour clashes that can occur with solid colour materials.
'Soft feel' material resists cracking due to kicks and knocks.

FITTED IN SECONDS.



ASTROFLAME
 MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

HOURS OF FIRE PROTECTION.

INTUMESCENT FIRE & ACOUSTIC SOCKET BOX INSERT

Recessed switch and sockets are used as the preferred option in most domestic and commercial buildings, however they are also the cause of many problems and require special consideration to meet both Building Regulations and Energy Efficiency concerns.

A recessed switch or socket penetrates the fire barrier of any fire rated wall and creates an easy path for fire and smoke to quickly spread from room to room. Fit an 'Intumescent Fire and Acoustic Socket Box Insert' from Astroflame, suitable for plastic or metal back boxes, and you'll get a full 2 hours protection against the spread of fire - enough time to protect property and save lives.

THE BEST ADVICE.
THE BEST FIRE SAFETY PRODUCTS.



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DOOR PROTECTION | FINGER PROTECTION | SAFETY CUSHIONING | FIRE STOP PRODUCTS | LIGHTING PROTECTION | MASTICS & FOAMS | FIRE PROOF PAINTS
 ANTI GRAFFITI PAINTS | DRAUGHT PROOFING | ACOUSTIC SEALS & DISABLED ACCESS.

> **Trade Name** ASTRO FINGER SAVER ELITE-FRONT

FINGER SAVER PVC FRONT GUARD

> Product Description

Finger Saver Elite Front is a slim line finger protector for doors which only protrudes 30 mm from the door face.

A simple and cost effective device that covers the gap which is created when doors are opened and prevents fingers being trapped on the hinge side of the door. When fitted the gap is covered completely and is suitable for domestic or commercial applications. The device is a door safety accident prevention product that blocks the cavity formed between the edge of the door and the door frame and prevents fingers entering the cavity by means of a folding finger safety device.

Finger Saver Elite front can be fitted to most types of doors including wood, metal, Upvc. It is extremely simple to install and can be easily removed and refitted for door painting or maintenance. The device fits most doors and is simplicity itself to install. If in doubt

about the suitability of this guard for your application please request a sample. Genuine 'easy-fit' products, they are unobtrusive, and will in no way impede the opening and closing of any door. The Finger Saver Elite device is suitable for nurseries, schools, residential care homes and the majority of commercial applications .

Available in Brown or White from stock or colours to special order Length 1950mm. If you are also fitting a rear device, the rear device must be fitted before this front device.

> Quick Overview

Suitable for fire rated and non-fire rated doors
Suitable for timber, steel or composite doors
Opens up to 180° Depending on door configuration
Ideal for nurseries, schools and residential care homes
Supplied in 1950mm lengths



White or Brown, Colours p.o.a
Suitable for areas of high pedestrian traffic
Aesthetically pleasing slim line design
only projects 30mm from door surface
Fits either left or right hand opening doors
Supplied with high performance self-adhesive tape to aid easy fitting and fixing screws provided
Easy to install

> Availability

COLOUR	CODE	LENGTH [MM]
BROWN	AFFSAVELFB	1950
WHITE	AFFSAVELFW	1950

> How to order this product

PLEASE QUOTE
QUANTITY/TRADE NAME/ COLOUR/PRODUCT REF

FOR EXAMPLE
10 / ASTRO FINGER SAVER ELITE-FRONT/WHITE/AFFSAVELFW

> **Trade Name** ASTRO FINGER SAVER ELITE - REAR

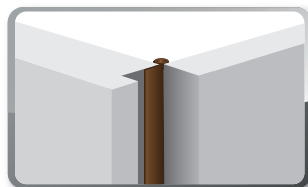
SLIM REAR PVC FINGER GUARD

> Product Description

Finger Saver Elite Rear is the lightest finger-protection system to be installed on the knuckle side of the door hinge. Easy to install with just double-sided adhesive tape, protects the external part of the door hinge on wood doors.

Together with Finger Saver Elite Front it guarantees total safety from the risk of

finger pinching allowing the door to open up to 180°. Finger Saver Elite Rear is a budget priced guard to cover the rear hinge gap for total protection from finger trapping accidents. Ideal product for fitting when restricted access. Only for use in conjunction with standard commercial hinge with a barrel diameter between 12-18mm. Available in Aluminium effect



finish from stock other colours available for special order. Also available in an Anti Bacterial finish to special order.

Size 1800mm Product Code: AFFSAVELRA

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
10 / ASTRO FINGER SAVER ELITE - REAR / AFFSAVELRA

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO FINGER GUARDIAN

FINGER GUARD FOR CENTRE PIVOT OR BUTT HINGED DOORS

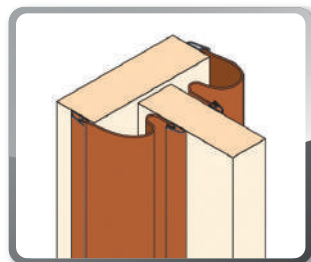
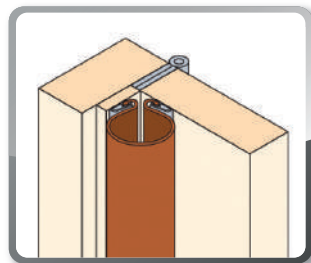
> Product Description

Astro Finger Guardian is a door hinge safety system designed to prevent the entrapment of fingers in the hinge gap of a door in the most demanding environments. Finger Guardian is a flexible safety strip which prevents fingers being jammed on the hinge side of a door and the jamb on the hinged side. When fitted the gap is covered completely and it is suitable for domestic or commercial use.

Finger Guardian is manufactured from PVC Nitrile and once installed requires no maintenance other than a wipe down with a damp cloth for cleaning. With an aesthetically pleasing slim-line design

this finger guard is easy to install, requiring no specialist tools or equipment. Self-adhesive backing strips are used to position the guard holding strips, which are then reinforced by screws (supplied), neatly concealed by the guard design.

Finger Guardian comes in Front and Rear styles (dimensions in mm). Front to fit 180° door openings. Rear to fit 105° door openings - only for use on the rear of the door. Five colours are available. Cover strips, used to conceal fitting screws (supplied) are colour matched to the guard. Anti-Bacterial finish POA.



> Availability

Sold individually or available to order in any quantity in 1950mm lengths.

COLOUR / FINISH	GUARDIAN FRONT 180°	GUARDIAN REAR 105°	GUARDIAN SET
Brown	AFFGUBRNF	AFFGUBRNR	AFFGUBRNSET
Black	AFFGUBLKF	AFFGUBLKR	AFFGUBLKSET
White	AFFGUWHTF	AFFGUWHTR	AFFGUWHTSET
Blue	AFFGUBLUF	AFFGUBLUR	AFFGUBLUSET
Grey	AFFGUGRYF	AFFGUGRYR	AFFGUGRYSET

> How to order this product

PLEASE QUOTE
QUANTITY / TRADENAME/ PRODUCT REF / COLOUR

FOR EXAMPLE
10 /ASTRO FINGER GUARDIAN / AFFGUBRN / BROWN

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> Quick Overview

Finger Guardian is suitable for
Butt Hinged or Pivot Doors
Up to 180° opening
Left or Right handed opening doors
Front and Rear types
Anti-Bacterial finish POA

> **Trade Name** FINGER KEEPER INDUSTRIAL

HEAVY DUTY HINGE GUARD

> Product Description

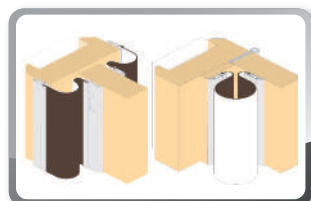
Fingerkeeper Industrial is a heavy duty finger-pinch protection device (anti-finger-trapping hinge guard) manufactured from Black EPDM fitted in an anodized aluminium carrier, that has black inserts to conceal the fixing screws. The EPDM safety strip prevents fingers being pinched on the hinge side of a door. It is fixed to the door and the jamb on the hinged side.

A wider safety strip is available for covering large gap openings, such as

powered gates etc. 260mm wide blind compared to standard 157mm.

Seal Lengths: Guards are available in 2100mm or 2500mm lengths and can be cut to length required. For longer lengths butt joint strips together (or to special order).

Standard Finishes: Carrier: Satin Clear Anodised Aluminium (15 microns) Strip: Black EPDM rubber. Satin Clear Anodised Aluminium with a PVC Blind in Brown or White.



> Availability

COLOUR	CODE	SIZE
Aluminium / Black EPDM Rubber / Black cover strips	AFFKIND	2100mm
Aluminium / Black EPDM Rubber / Black cover strips	AFFKINDX	2500mm
Aluminium / Black EPDM Rubber / Black cover strips. Wide Blind	AFFKINDWB	2100mm
Aluminium / Brown PVC / Brown cover strips	AFFKINDPVCB	2100mm
Aluminium / White PVC / White cover strips	AFFKINDPVCW	2100mm

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / SIZE

FOR EXAMPLE
10 / ASTRO FINGERKEEPER INDUSTRIAL / AFFKIND / 2100

> Quick Overview

Suited to demanding commercial and industrial environments
Anodized Aluminium and EPDM Rubber
Can be retro fitted
Fits butt hinged or centre pivot doors
Easily extended for non standard height doors.
Conforms to UK H&S Regs. 1992 (SI 3004)
Available for standard or wide opening gaps

> **Trade Name** ASTRO DIGISAVER

DIGISAVER ALUMINIUM FINGER GUARD

> Product Description

This aluminium guard will not crack, tear or rip in the way that plastic polymer based guards can when subject to abuse or hard knocks. The guard slides on a short track, which uses a self-lubricating plastic to minimise maintenance needs and can be installed in a few minutes.

Supplied in 2000mm lengths that can be cut to required door opening height. Versions for 120° and 180° door opening angles are available. NOTE: The door surface material must be able to accept the screws used to secure the guard's guide rails.



ITEM	OPENING ANGLE	SIZE	COLOUR	PRODUCT CODE
DigiSaver 120	120 degrees	2000 mm	SAA Silver	AFFGDS120
DigiSaver 180	180 degrees	2000 mm	SAA Silver	AFFGDS180

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / SIZE / PRODUCT REF

FOR EXAMPLE
10 / ASTRODIGISAVER / 120 / AFFGDS120

> Quick Overview

All aluminium finger guard for timber doors
Fabricated from strong T6 Aluminium Alloy
Models for 120° and 180° door opening angles
Easily fitted to new or existing doors using normal hand tools
Low maintenance needs
Hygienic wipe-clean satin aluminium surface
Suitable for single swing doors
Available in Satin Aluminium finish in 2000mm lengths
Supplied with all fittings and instructions

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> Trade Name ASTRO FINGER DEFENDER

FINGER DEFENDER

> Product Description

Astro Finger Defender is a durable, high quality finger guard suitable for most single and double-action doors, including automated doors. It prevents fingers entering the cavity formed between the door and the frame by means of a non-flammable blind, which opens and closes with the action of the door and retracts into the aluminium housing when not in use.

The aluminium housing is available in three standard finishes and (subject to order quantity) any RAL colour. Independently tested to over 1 million opening & closing cycles. The guard has concealed screw fixings and comes complete with end caps for a neat finish. Maximum opening: 260mm
Standard sizes 1925mm and 2015mm.
Other sizes P.O.A.

Lengths : 1925 mm or 2015mm. Housing Colours: Silver Anodised, Dark Bronze Anodised, White or Colour coated to any RAL Colour. Blind colour: Black

Available to order in any quantity, except RAL colours, which are subject to minimum order quantity. Colour samples available on request. 2015mm size meets EN16005.

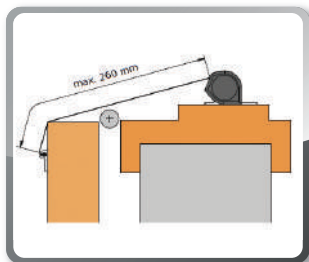
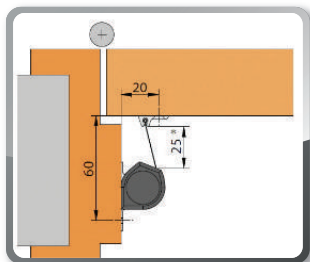


> Availability

ITEM	COLOUR	LENGTH	PRODUCT CODE
Finger Defender - Silver	Silver Anodised	1925 mm	AFFDEFSAF
Finger Defender - White	White (RAL 9016)	1925 mm	AFFDEFWHT
Finger Defender - Dark Bronze	Dark Bronze	1925 mm	AFFDEFDB
Finger Defender - RAL	RAL Colours to Order	1925 mm	AFFDEFCOL
Finger Defender - Silver - Long	Silver Anodised	2015mm	AFFDEFSAFX
Finger Defender - White - Long	White (RAL 9016)	2015mm	AFFDEFWHTX
Finger Defender - Dark Bronze - Long	Dark Bronze	2015mm	AFFDEFDBX
Finger Defender - RAL - Long	RAL Colours to Order	2015mm	AFFDEFCOLX

> Quick Overview

Prevents finger trapping accidents.
Suitable for automatic or manual operation doors.
Suitable for most single or double-action doors
Extremely durable and maintenance free
Tested to over 1 million open & closing cycles
Fits any door up to 180° opening
Impact resistant aluminium housing.
Silver or Dark Bronze anodised finish or White or any RAL colour.
1925mm and 2015mm long versions



> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / SIZE / COLOUR / PRODUCT REF

FOR EXAMPLE
10 / ASTRO FINGER DEFENDER / 1925 / SAF / AFFDEFSAF

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO FINGER PROTECTA

FINGER PROTECTA

> Product Description

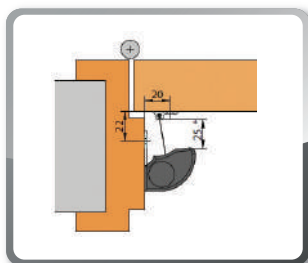
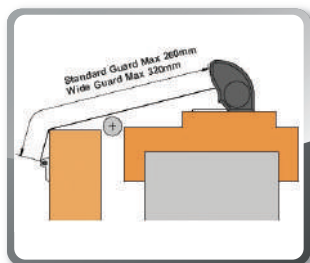
Astro Finger Protecta uses a high quality, resilient, fabric blind to prevent finger trapping accidents in doors. The blind covers the hinge gap when the door is opened and retracts into the robust aluminium housing when the door is closed.

The retractor mechanism makes for a tidy and robust guard which is not exposed to potential damage in the way that concertina style guards are - even when in the closed position.

Independently tested to over 1 million opening & closing cycles. This hinge guard comes complete with end caps for a neat finish.

This is a high quality guard at the top end of the price range but we think it represents good value and sample lengths are available so that the quality of manufacture and colours can be assessed.

Lengths : 1925 mm with either 260mm or 320mm of travel. Housing Colours: Silver Anodised Finish, Dark Bronze, White or Colour coated to any RAL Colour Blind Colour: Black. Available to order in any quantity except RAL colours, which are subject to minimum order quantity. Other sizes P.O.A. 2015mm size meets EN16005.



> Quick Overview

Very high quality 'roller blind' type door finger guard
 In silver, white or dark bronze anodised finishes.
 Extremely durable and maintenance free
 Fits any door up to 180° opening
 Impact resistant
 Suitable for Automatic Doors
 Suitable for most single or double-action doors

> Availability

ITEM	LENGTH	MAX OPENING	COLOUR	PRODUCT CODE
Finger Protecta	1925 mm	260mm	SAA Silver	AFFPROSAF
Finger Protecta	1925 mm	260mm	Dark Bronze	AFFPRODB
Finger Protecta	1925 mm	260mm	White	AFFPROWHT
Finger Protecta	1925 mm	260mm	RAL Colour to Order	AFFPROCOL
Finger Protecta Wide Blind	1925 mm	320mm	SAA Silver	AFFPROSAFWB
Finger Protecta Wide Blind	1925 mm	320mm	Dark Bronze	AFFPRODBWB
Finger Protecta Wide Blind	1925 mm	320mm	White	AFFPROWHTWB
Finger Protecta Wide Blind	1925 mm	320mm	RAL Colour to Order	AFFPROCOLWB

> How to order this product

PLEASE QUOTE
 QUANTITY / TRADE NAME / SIZE / COLOUR / PRODUCT REF

FOR EXAMPLE
 10 / ASTRO FINGER PROTECTA / 260 / WHITE / AFFPROWHT

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO FINGER DEFENDER - GLASS

FINGER DEFENDER - GL

> Product Description

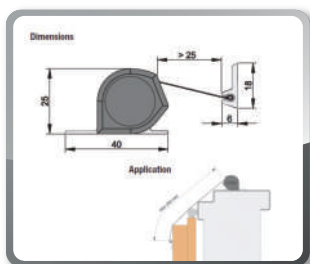
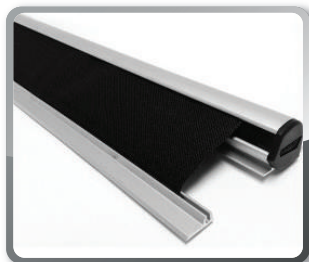
Astro Finger Defender - Glass is a high quality finger guard designed exclusively for use with glass doors.

It uses a resilient blind mounted in a robust aluminium housing that attaches to the door frame. The other end of the blind is fixed to the surface of the glass door via an aluminium strip with built-in acrylate-foam high performance tape. The tension in the blind prevents fingers

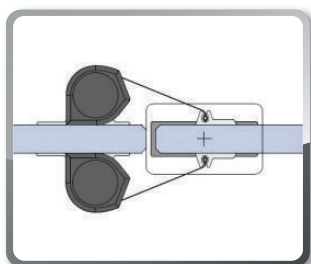
entering the hinge gap, where they may be subject to trapping.

Independently tested to over 1 million opening & closing cycles. Supplied with instructions and all fixings.

Lengths: 1925 mm. Colours: Silver Anodised housing with black blind material.



All dimensions in mm



Centre Pivot Glass Door fitted with dual finger guards.

> Availability

ITEM	COLOUR	LENGTH	PRODUCT CODE
Finger Defender Glass	Silver Anodized	1925 mm	AFFDEFSAFGL

> How to order this product

PLEASE QUOTE QUANTITY / TRADE NAME / PRODUCT REF	FOR EXAMPLE 10 / ASTRO FINGER DEFENDER GLASS / AFFDEFSAFGL
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Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> Quick Overview

- A finger guard exclusively for glass doors.
- For most single & double action doors.
- Suitable for manual or automated opening glass doors.
- Prevents finger trapping accidents.
- Extremely durable and maintenance free
- Tested to over 1 million open & closing cycles
- Fits any door up to 180° opening
- Impact resistant aluminium housing.
- Silver Anodised Finish.
- Suitable for most single or double-action doors

> **Trade Name** ASTRO FINGER DEFENDER - EXTERNAL

FINGER DEFENDER EXTERNAL

> Product Description

Astro Finger Defender - External is a high quality finger guard for use with external doors subject to weathering forces. The guard is resistant to: rain, snow, frost, foliage, dirt and UV light with an operating temperature range of -20 to +50 °C. This guard has an increased wall thickness (compared to the interior version) for extra durability and the blind material is designed for external use.

Surfaces are wipeable and easy to clean. The guard is attached by concealed fixings and is suitable for retrofitting. The tension in the blind prevents fingers entering the hinge gap, where they may be subject to trapping. Supplied with instructions and all fixings.

Lengths : 1925 mm. Colours: Satin Anodised Aluminium housing with Anthracite Grey (RAL 7016) blind fabric. Other sizes P.O.A.
2015mm meets EN16005



> Availability

ITEM	COLOUR	LENGTH	PRODUCT CODE
Finger Defender External	Silver Anodised	1925 mm	AFFDEFSAFEXT

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF	10 / ASTRO FINGER DEFENDER EXTERNAL / AFFDEFSAFEXT

> Quick Overview

- A weather-proof finger guard for exterior doors
- Temperature range -20 to +50°C
- For most single & double action doors
- Suitable for manual or automated opening
- Prevents finger trapping accidents
- Extremely durable and low maintenance
- Impact resistant aluminium housing
- Silver Anodised Aluminium Finish

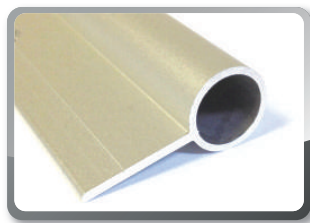
> **Trade Name** ASTRO FINGER SLIMGUARD REAR

ANTI-FINGER TRAPPING DEVICE FOR REAR OF DOOR

> Product Description

SlimGuard is designed to prevent finger trapping on the hinge pin side of the door (where the small gap is when the door is open). When used in conjunction with a front finger guard door hinges are 100% covered. Supplied in 2 metre lengths that are cut to size and fitted

above, between and below hinges. SlimGuard comes with self-adhesive tape to aid fitting. Supplied in Satin Anodised Aluminium (SAA) finish only. Sold individually or available to order in any quantity in 2000 mm lengths.



> Quick Overview

- SlimGuard Rear shields the rear hinge gap of the door
- Robust, effective, easy to install solution
- All Aluminium construction
- Fits like an extra long hinge
- Can be fitted to most single action doors
- Suitable for manual or automated doors
- Can be fitted to new doors and retrofitted to existing doors
- Sold in 2000 mm lengths
- Designed for doors with standard 18mm diameter hinges

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF	12 / ASTRO FINGER SLIMGUARD REAR/ AFFGSGR

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO WINDOW RESTRICTOR

WINDOW RESTRICTOR

> Product Description

The window restrictor has a 20cm long cable, which when installed correctly will limit the opening of the window to under 100mm. Not only will this prevent children from being able to fit through the gap, but it also allows enough air to circulate around the room.

One of the important features on the Astroflame window restrictor is the strength of the cable once locked into the locking system. Some windows restrictors claim that the strength of the cables exceeds 500kg. However, even though this may be true, it does not mean anything as it is the strength of

the cable once locked into the locking system that actually matters. The astroflame window restrictor, once the cable is locked into the locking system, can withstand forces over 100kg, which is more than enough to take the weight of any child. This is twice the industry standard which is 50kg!

The cable itself is made from hardened steel, which makes it extremely difficult to cut. It makes the window restrictor ideal for customers who are based on ground floors, and want to leave their windows open but are afraid that they may be broken in to!



> Quick Overview

- 20cm long restrictor restricts window opening to under 100mm
- Can be used on all types of windows and doors including uPVC, aluminium, wooden and metal profiles
- Can withstand forces over 100kg (980Nm)
- Industry standards is 50kg
- Exceeds strength requirements of EN 16281
- The unit is lockable so the window can be fully opened if necessary
- Can be used on fire escape windows, as long as the key is kept within easy reach

> Availability

PRODUCT CODE	COLOUR	CORD COLOUR
AFWRWHT	White	White
AFWRBRN	Brown	Brown

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / COLOUR / PRODUCT REF

FOR EXAMPLE

10 / ASTRO WINDOW RESTRICTOR / WHITE / AFWRWHT

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

FITTED IN SECONDS.

ASTROFLAME
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

HOURS OF FIRE PROTECTION.

INTUMESCENT FIRE & ACOUSTIC SOCKET BOX INSERT

Recessed switch and sockets are used as the preferred option in most domestic and commercial buildings, however they are also the cause of many problems and require special consideration to meet both Building Regulations and Energy Efficiency concerns.

A recessed switch or socket penetrates the fire barrier of any fire rated wall and creates an easy path for fire and smoke to quickly spread from room to room. Fit an 'Intumescent Fire and Acoustic Socket Box Insert' from Astroflame, suitable for plastic or metal back boxes, and you'll get a full 2 hours protection against the spread of fire - enough time to protect property and save lives.

THE BEST ADVICE.
THE BEST FIRE SAFETY PRODUCTS.

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DOOR PROTECTION | FINGER PROTECTION | SAFETY CUSHIONING | FIRE STOP PRODUCTS | LIGHTING PROTECTION | MASTICS & FOAMS | FIRE PROOF PAINTS
ANTI GRAFFITI PAINTS | DRAUGHT PROOFING | ACOUSTIC SEALS & DISABLED ACCESS.

> **Trade Name** ASTRO CORNER GUARD COMMERCIAL

CORNER GUARD SAFETY STRIP

> Product Description

The padded guard reduces impacts and prevents more serious injuries when there is a collision. Easily fitted using silicone sealant (MS-Polymer).

Manufacture using safe and child friendly materials / safe toy standards. Designed for indoor use in normal habitable conditions (frost free, dry, no prolonged direct sunlight). Corner Guards can be used outdoors but the life of the strips will be considerably reduced by exposure to the elements. According to the security standard of toys (CNS 47974797-3, 4798, 4798-1-3, 479-10-37), Corner Guard Strip meets the safe

requirement of structure, flame resistance and toxicology. Aging test (100°C, 70hrs) (CNS 3556):

- 1) Tensile Strength (kgf/cm): 46.3
- 2) Elongation (%): 75
- 3) Tear Strength (kgf/cm): 10.6

Headspace: Do not detect Toluene Bacteriostasis of *Aspergillus Niger* BCRC 31512: According to the evaluation standard of Antifungal Test (ASTM G21-96), the resistant level of fungus is level 2. Horizontal burning foamed material test: Corner Guard Strip meets the requirement of UL 94 HBF.



> Availability

Available in various colours. All strips are 1000 x 58 x 58 mm. Packed - Individually.

ITEM	COLOUR	LENGTH [MM]	PRODUCT REF
Corner Guard Commercial	RED	1000	AFCGCR
Corner Guard Commercial	YELLOW	1000	AFCGCY
Corner Guard Commercial	BLUE	1000	AFCGCB
Corner Guard Commercial	IVORY	1000	AFCGCI
Corner Guard Commercial	GREY	1000	AFCGCG

> Available Colours

- Red
- Yellow
- Blue
- Ivory
- Grey

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF	10 / ASTRO CORNER GUARD COMMERCIAL / AFCGCR

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> Quick Overview

Prevents injuries caused by collision with sharp pillar or wall edges.

Can be used on almost all corners and edges of walls, windowsills, radiators, table corners etc. Suitable for use on any even and smooth interior surface.

Strip dimensions 1000 x 58 x 58mm

Urethane padding is 15mm thick.

Safe, durable and quality guaranteed.

Flame retardant & waterproof

Bacteriostasis properties

Contains no toluene or heavy metals.

Certified per ST safe toys requirements

Manufactured with an integral urethane skin

Highly durable - resistant to shocks and scrapes

Quick & Easy to install

> **Trade Name** ASTRO CORNER GUARD INDUSTRIAL

REFLECTIVE SAFETY PADDING STRIP

> Product Description

A reflective corner guard used as protective cushioning on corners and hard edges of buildings to prevent damage to or from vehicles. Typical applications are car parks, loading bays and warehouses. Corner Guard Industrial padding has an aluminium 'spine' which further reduces the risk of damage to property and vehicles. Strips are in the universal hazard colours of black with a reflective yellow stripe to get the attention of vehicle users. Quick and easy to install and needing no special maintenance.

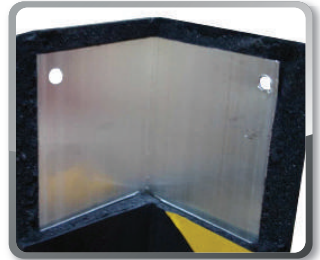
> Availability

Available in Black with Yellow reflective tape (ask about other colour combinations). All strips are 1000 x 95 x 95mm.

ITEM	COLOUR	LENGTH [MM]	PRODUCT REF
Corner Guard Industrial	Black / Yellow	1000	AFCGIND

> Quick Overview

Reflective Corner Guard Industrial is suitable for use on corners found: in car parks and loading bays in work areas where vehicles are active in many buildings and public areas
Resists knocks and scrapes
Highly reflective - drawing peoples attention in order to help prevent a collision
Quick and easy to install
18mm thick padding
Strip dimensions 1000 x 95 x 95mm
Aluminium strip, to increase strength and cushioning effect, enclosed in integral Skin Urethane.
Reflective tapes cover the corner guard strip.
Supplied pre-drilled and with fixing bolts and caps



> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO CORNER GUARD INDUSTRIAL / AFCGIND

> **Trade Name** ASTRO CORNER GUARD CLEAR

TRANSPARENT CORNER GUARD SAFETY STRIP

> Product Description

The padded guard reduces impacts and prevents more serious injuries when there is a collision. Easily fitted using built in self adhesive strips - can be augmented with screws (see install data). Designed for indoor use in normal habitable conditions (frost free, dry, no prolonged direct sunlight). Grey & White available to order.

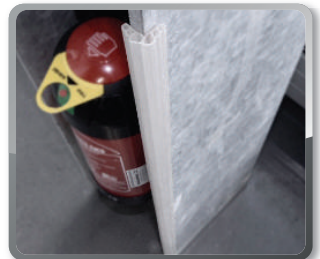
> Availability

Available in transparent clear. All strips are 1000 x 15 x 15mm.

ITEM	COLOUR	LENGTH [MM]	PRODUCT REF
Corner Guard Clear	TRANSPARENT	1000	AFCGCL

> Quick Overview

Prevents injuries caused by collision with sharp pillar or wall edges.
Can be used on almost all corners and edges of walls, windowsills, radiators, table corners etc.
Suitable for use on any even & smooth interior surface.
Strip dimensions 1000 x 15 x 15mm
Scratch and scuff resistant.
Self adhesive fittings. Can be cut to shorter lengths
Operating temperature range -10° to 110° C
Manufactured from Thermoplastic Elastomers (TPE)



> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO CORNER GUARD CLEAR / AFCGCL

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

THIRD PARTY CERTIFICATION



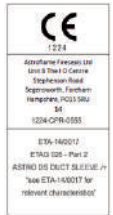
As manufacturers of Built In fire stopping products we take new legislation seriously, these are life safety products after all. For many years now BS or EN testing has been used to fire test the products in our industry, however as things move forward Astroflame in compliance with the CPR are now using more and more Third Party Approvals such as CE, UL-EU, Certifire amongst others to ensure and demonstrate that the products are fit for purpose.



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The CE Mark provides proof of this “fitness for purpose” and the manufacturer affixing the CE mark shows that the construction product will enable the finished construction works such as a hotel or school to comply with the Construction Products Regulation requirements. You will find on our web site on the relevant CE product pages links to the (C of C) Certificate of constancy of performance, (DOP) Declaration of performance and the (ETA) European technical assessment

You will find on our web site on the relevant CE product pages links to the (C of C) Certificate of constancy of performance, (DOP) Declaration of performance and the (ETA) European technical assessment



UL-EU Mark is intended for use on products destined for the European marketplace. It means that UL has evaluated representative samples of a product or component and determined that those samples comply with the UL-EU Mark service requirements.

The UL-EU Mark appears on a product or component with a manufacturer’s identification, i.e., company name or trademark as well as a product or component model number.

You will find on our web site on the relevant UL-EU product pages links to the UL documents for that product.



CERTIFIRE is an independent third party certification scheme that assures performance, quality, reliability and traceability of fire protection products. Recognised by regulatory authorities worldwide, it is an internationally respected mark of fire safety and one of the most authoritative in the industry.

The fundamental benefit of CERTIFIRE is seated in giving the regulator, specifier, customer and end-user confidence with regards to the stated performance of the product and provides an informed choice when purchasing or selecting the product.

You will find on our web site on the relevant Certifire product pages links to the Certifire documents for that product.

> **Trade Name** ASTRO X SERIES CE PIPE COLLAR

INTUMESCENT CE MARKED PIPE COLLAR



> Product Description

Astro X Series CE Pipe Collars are designed and tested to seal service penetration apertures containing plastic and metallic pipes, pipes with insulation or cables, using thermoplastic composites based on graphite intumescent technology. Developed to provide a high volume expansion and pressure seal during a fire. The X Series CE Collar offers EI120 and EI240 tested to EN1366-3, the maximum diameter being 250mm, the ultra thin design of Astro X Series collar shell gives a depth of 30mm and 40mm ensuring that they can be installed into the tightest of locations.

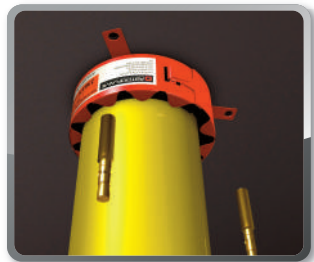
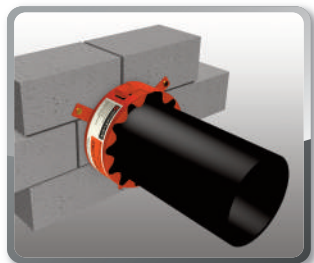
Astro X Series Pipe Collar can be installed on flexible wall, rigid wall, rigid floor constructions and in batt seals. They are compatible with polypropylene (pp), polyethylene (PE) and Polyvinylchloride

(PVC) pipes. X Series Collar is tested with end capping configurations that cover U/U, C/U, U/C and C/C pipes.

Astro X Series CE Pipe Collar is used around combustible pipes to form a penetration seal used to reinstatement fire resistance performance of wall and floor constructions, where they have been provided with apertures for the penetration of combustible pipe services.

Astro X Series CE Pipe Collar include an intumescent component incorporated into a mild steel case to close any gaps and joints and provide a closure of combustible pipes when heated and to prevent the passage of fire.

Astro X Series CE Pipe Collars are supplied in assembled form, without fixings. The collar is wrapped around the pipe at the soffit or both faces of walls, depending on application



> Quick Overview

CE Marked

Certifire Approved

Fire Resistance testing to EN 1366-3
EI30, EI60, EI90, EI120, EI240

Pipe sizes from 32mm to 250mm

Compatible with PP, PE, PVC-U, ABS,
SAN & PVC Pipes

3 Fixing Tabs

End Capping - Uncapped U/U and
Capped U/C & C/U pipes

> Availability

The Astro X Series CE Pipe Collar range is available in standard sizes, to suit 55, 82, 110, 160 & 200 mm diameter pipes, and includes intermediate and larger sizes.

PRODUCT CODE	DESCRIPTION	SIZE
AFPC32X/CE	ASTRO X SERIES CE PIPE COLLAR 32mm	32mm
AFPC40X/CE	ASTRO X SERIES CE PIPE COLLAR 40mm	40mm
AFPC55X/CE	ASTRO X SERIES CE PIPE COLLAR 55mm	55mm
AFPC63X/CE	ASTRO X SERIES CE PIPE COLLAR 63mm	63mm
AFPC75X/CE	ASTRO X SERIES CE PIPE COLLAR 75mm	75mm
AFPC82X/CE	ASTRO X SERIES CE PIPE COLLAR 82mm	82mm
AFPC90X/CE	ASTRO X SERIES CE PIPE COLLAR 90mm	90mm
AFPC110X/CE	ASTRO X SERIES CE PIPE COLLAR 110mm	100mm
AFPC125X/CE	ASTRO X SERIES CE PIPE COLLAR 125mm	125mm
AFPC140X/CE	ASTRO X SERIES CE PIPE COLLAR 140mm	140mm
AFPC160X/CE	ASTRO X SERIES CE PIPE COLLAR 160mm	160mm
AFPC200X/CE	ASTRO X SERIES CE PIPE COLLAR 200mm	200mm
AFPC250X/CE	ASTRO X SERIES CE PIPE COLLAR 250mm	250mm

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO X SERIES CE PIPE COLLAR/ AFPC55X/CE

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO COLLAR

INTUMESCENT PIPE COLLARS



> Product Description

Our intumescent pipe collars are manufactured from a high performance material bonded to the inside of a steel sleeve. On exposure to heat from a fire they rapidly expand inwards to squeeze the collapsing plastic pipe until the aperture is completely sealed. Pipe collars are tested in accordance with the performance requirements of BS476: Part 20: 1987. Astro E Collar can provide 2 hour fire

resistance. Astro P Collar offers up to 4 hour resistance. The pipe collars are light and compact, easy to install, maintenance free and find uses in multi-storey office buildings, flat level developments, hospitals and hotels. Suitable for use and anywhere plastic soil and waste pipes pass through fire compartment walls and floors. Also tested to EN1366-3, NHBC Type Approval and IFC Approval.

> Availability

The Astroflame Pipe Collar range is available in standard sizes, to suit 55, 82, 110, 160 & 200 mm diameter pipes, and includes intermediate and larger sizes.

4 Hour

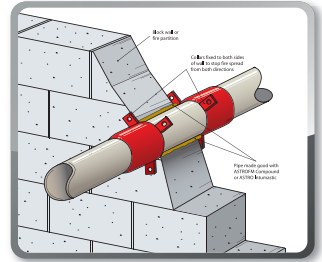
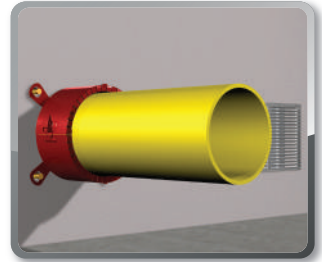
SIZE	PRODUCT REF
32mm	AFPC32/4P
40mm	AFPC40/4P
43mm	AFPC43/4P
55mm	AFPC55/4P
63mm	AFPC63/4P
75mm	AFPC75/4P
82mm	AFPC82/4P
90mm	AFPC90/4P
110mm	AFPC110/4P
125mm	AFPC125/4P
160mm	AFPC160/4P
200mm	AFPC200/4P
225mm	AFPC225/4P
250mm	AFPC250/4P

2 Hour

SIZE	PRODUCT REF
55mm	AFPC55/2E
110mm	AFPC110/2E
125mm	AFPC125/2E
355mm	AFPC355/2E

3 Hour

SIZE	PRODUCT REF
275mm	AFPC275/3E
300mm	AFPC300/3E
315mm	AFPC315/3E



> Quick Overview

Intumescent Pipe Collars tested to BS476: Part 20: 1987 EN1366-3
 For use on UPVC, ABS, MDPE, HDPE and PP pipes
 Up to 4 hours fire resistance
 Surface mounted, cast or semi-cast applications
 NHBC Type Approval
 IFC Approval

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF / SIZE / RATING	10 / ASTROCOLLAR / AFPC55/2E / 55MM / 2HOUR

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO X SERIES CE PIPE WRAP UL

INTUMESCENT 25M ROLL CE PIPE WRAP



> Product Description

Astro X Series CE Pipe Wrap UL are designed and tested to seal service penetration apertures containing plastic and metallic pipes, pipes with insulation, using thermoplastic composites based on graphite Intumescent technology. Developed to provide a high volume expansion and pressure seal during a fire. The Astro X Series CE Pipe Wrap UL offers EI120 tested to EN1366-3, the maximum diameter being 250mm, the ultra thin design of Astro X Series CE Pipe Wrap UL ensuring that they can be installed in to the tightest of locations.

Astro X Series CE Pipe Wrap UL can be installed in flexible wall, rigid wall, rigid floor constructions and in Batt seals. They are compatible with polypropylene (PP), polyethylene (PE) and polyvinylchloride (PVC) pipes. Astro X Series CE Pipe Wrap UL is tested with end capping configurations that cover U/C & C/C pipes.

Astro X Series CE Pipe Wrap UL is installed around combustible pipes to form a penetration seal used to reinstate the fire resistance performance of wall and floor constructions, where they have been provided with apertures for the penetration of combustible pipe services.

Astro X Series CE Pipe Wrap UL is installed around the pipe at the soffit and upper face of floors and both faces of walls, depending on application and by applying a number of passes to reach the required thickness.

> Quick Overview

CE Marked

Certifire Approved

EN 1366-3

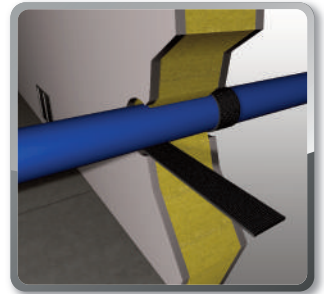
EN 13501-2

EN 13501 - 1

EN ISO 11358:1997

EN ISO 10563:2005

EN ISO 3251



> Availability

OUTER PIPE DIA MM	THICKNESS	NO. WRAPS	LENGTH (IN THEORY)
40mm	2	1	126mm
55mm	4	2	352mm
63mm	4	2	402mm
75mm	4	2	478mm
82mm	4	2	521mm
90mm	6	3	867mm
110mm	6	3	1055mm
125mm	8	4	1608mm
160mm	8	4	2047mm
200mm	10	5	3203mm

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO X-SERIES CE PIPEWRAP UL/ AFIPWELX/CE

> **Trade Name** ASTRO X SERIES CE PIPE WRAP

INTUMESCENT CE MARKED PIPE WRAP



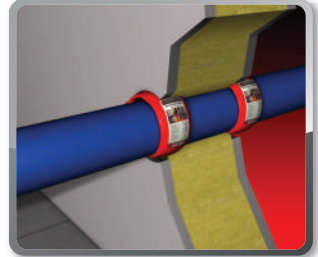
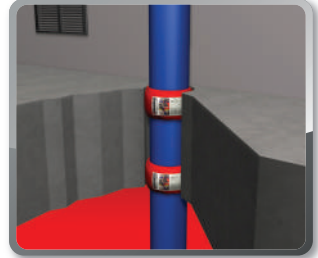
> Product Description

Astro X Series CE Pipe Wrap are designed and tested to seal service penetration apertures containing plastic and metallic pipes, pipes with insulation, using thermoplastic composites based on graphite Intumescent technology. Developed to provide a high volume expansion and pressure seal during a fire. The Astro X Series CE Pipe Wrap offers EI120 tested to EN1366-3, the maximum diameter being 250mm, the ultra thin design of Astro X Series CE Pipe Wrap ensuring that they can be installed in to the tightest of locations.

Astro X Series CE Pipe Wrap can be installed in flexible wall, rigid wall, rigid floor constructions and in Batt seals. They are compatible with polypropylene(PP), polyethylene (PE) and polyvinylchloride (PVC) pipes.

Astro X Series CE Pipe Wrap is used around combustible pipes to form a penetration seal used to reinstate the fire resistance performance of wall and floor constructions, where they have been provided with apertures for the penetration of combustible pipe services.

Astro X Series CE Pipe Wrap include an intumescent component incorporated into a lightweight PVC carrier bag to close any gaps and joints and provide a closure of combustible pipes when heated and to prevent the passage of fire.



> Availability

Astroflame X Series CE Pipe Wraps come available in many standard sizes to suit eg. 55, 82, 110, and 160mm diameter pipes, and includes intermediate and larger sizes.

PRODUCT CODE	DESCRIPTION	SIZE
AFIPW32X/CE	ASTRO X SERIES CE PIPE WRAP 32mm	32mm
AFIPW40X/CE	ASTRO X SERIES CE PIPE WRAP 40mm	40mm
AFIPW55X/CE	ASTRO X SERIES CE PIPE WRAP 55mm	55mm
AFIPW63X/CE	ASTRO X SERIES CE PIPE WRAP 63mm	63mm
AFIPW75X/CE	ASTRO X SERIES CE PIPE WRAP 75mm	75mm
AFIPW82X/CE	ASTRO X SERIES CE PIPE WRAP 82mm	82mm
AFIPW90X/CE	ASTRO X SERIES CE PIPE WRAP 90mm	90mm
AFIPW110X/CE	ASTRO X SERIES CE PIPE WRAP 110mm	100mm
AFIPW125X/CE	ASTRO X SERIES CE PIPE WRAP 125mm	125mm
AFIPW140X/CE	ASTRO X SERIES CE PIPE WRAP 140mm	140mm
AFIPW160X/CE	ASTRO X SERIES CE PIPE WRAP 160mm	160mm
AFIPW200X/CE	ASTRO X SERIES CE PIPE WRAP 200mm	200mm

> Quick Overview

CE Marked

Certifire Approved

Fire Resistance Testing to EN 1366-3
EI30, EI60, EI90, EI120

The pipes tested include PVC, PP, MDPE and PE up to a size of 200mm diameter. Fire resistance testing through flexible wall and rigid floors and walls.

Reaction to fire classification EN 13501-1

Resistance to fire classification EN 13501-2

Not affected by fungus, vermin or rodents
Shelf life 60 months

Remains flexible between -40°C to +130°C

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / SIZE / RATING

FOR EXAMPLE
10 / ASTRO X SERIES CE PIPE WRAP/ AFIPW55X/CE

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Trade Name ASTROWRAP

INTUMESCENT PIPE WRAPS

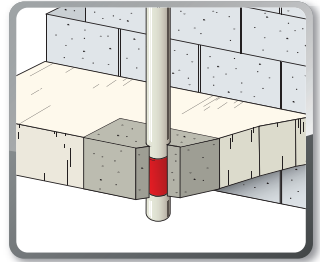
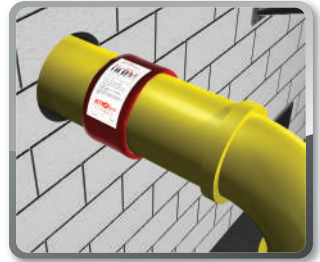


> Product Description

Intumescent pipe wraps for fire stopping all types of plastic pipes passing through masonry floors and walls. The wraps have been independently fire tested to EN 1366-3 and BS 476 giving a fire resistance of up to 4 hours. Tested in block, concrete and masonry walls and concrete floors. Designed to provide high volume expansion and pressure seal using an intumescent composition based on elastomeric thermoplastic polymers and binders. On exposure to fire the pipe wrap expands rapidly inwards to squeeze the collapsing plastic pipe until the aperture is completely sealed. Tested with pipes up to 200mm diameter including PVC, Polypropylene, MDPE, HDPE, HPPE and ABS types. Causes no known adverse effects to plastic pipes, plastic cables, sheathing or metallic components.

Tested in large service openings up to 250 x 150mm. Astroflame Intumescent Pipe Wraps are economical, unaffected by moisture, humidity or frost and easy to fit, but care should be taken when fitting to avoid damaging the outer polythene sleeve. The product is based on an thermoplastic composite and is non-toxic, Halogen free, contains no asbestos, ceramic, mineral fibres and is environmentally friendly. Not affected by fungus, vermin or rodents.

Specification & Properties
 Pipe Diameter Sizes: 28mm, 32mm, 55mm, 63mm, 75mm, 82mm, 90mm, 110mm, 125mm, 160mm or 200mm (other sizes on request) Width (Nominal): 60mm Thickness (Nominal): 3.5mm up to 63mm : 6mm up to 110mm : 9.5mm over 110mm
 Fire Resistance: Up to 4 hours BS 476 part 20 & EN1366-3: 2004



> Availability

Astroflame Pipe Wraps come available in many standard sizes to suit eg. 55, 82, 110, and 160mm diameter pipes with either 2hr or up to 4 hour fire resistance. Please note: pipe wraps for 200mm diameter pipes are 2 hour rated.

4 Hour

SIZE	PRODUCT REF
32mm	AFIPW32/4
40mm	AFIPW40/4
55mm	AFIPW55/4
63mm	AFIPW63/4
75mm	AFIPW75/4
82mm	AFIPW82/4
90mm	AFIPW90/4
110mm	AFIPW110/4
125mm	AFIPW125/4
160mm	AFIPW160/4

2 Hour

SIZE	PRODUCT REF
110mm	AFIPW110/2
200mm	AFIPW200/2

PIPE TYPE	SIZE RANGE	INTEGRITY	INSULATION
PVC	55mm - 200mm	240 minutes	240 minutes
PE	55mm - 160mm	240 minutes	240 minutes
ABS	55mm - 160mm	240 minutes	240 minutes
PVC	28mm - 110mm	180 minutes	180 minutes
HDPE	28mm - 110mm	240 minutes	240 minutes
MDPE	28mm - 90mm	240 minutes	240 minutes
ABS	28mm - 160mm	240 minutes	240 minutes

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF / SIZE / RATING	10 / ASTROWRAP / AFIPW55/2E / 55MM / 2 HOUR

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Quick Overview

Intumescent Pipe Wraps for PVC, Polypropylene, MDPE, HDPE, HPPE and ABS pipes up to 200mm.
 Fire resistance testing to EN 1366-3 EI 120, and BS 476 240mins.
 Suitable for wall and floor installation.
 Tested in Block Wall, Concrete & Masonry.
 Tested in Concrete Floors.
 Tested in large service openings up to 250 x 150mm.
 Remains flexible between -40°C to +130°C.
 Long life and is easy to use.
 Certifire Approval.
 NHBC Type Approval.

> **Trade Name** ASTRO THERMAL FIRE PS

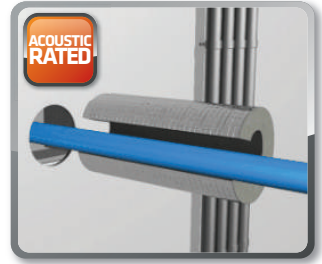
THERMAL FIRE PIPE SLEEVE



> Product Description

A high percentage of the steel, copper and plastic pipes found in commercial and domestic buildings will penetrate through fire rated constructions such as ceilings, floors and walls. Once a hole is made in a fire rated construction for the passage of pipes or services the integrity of the compartment is compromised. To solve this problem Astroflame have a developed Astro Thermal Fire Pipe Sleeve, which reinstates the fire rating of the construction and prevents fire spreading from one compartment to another. In a fire situation the sleeve expands to

fill the available space between the pipe and the penetration. In the case of plastic pipes the sleeve will crush and close off the pipe forming a solid char and preventing the passage of fire and smoke to the adjacent compartment. Tested in Plasterboard Partition, Mineral Fibre Batt, Solid Walls and Floors. All sleeves have been tested with a 25mm nominal wall thickness. Sleeves have been tested cut flush to the wall for metal pipes only and floor for metal and plastic pipes. Sleeves have also been tested in walls, for plastic pipes, leaving 25mm exposed.



> Availability

2Hr Rated Pipe Sleeves Length 300mm. Wall thickness 27mm.

DIAMETER	CODE	DIAMETER	CODE
17mm	AFIPS17/2E	80mm	AFIPS80/2E
21mm	AFIPS21/2E	89mm	AFIPS89/2E
27mm	AFIPS27/2E	102mm	AFIPS102/2E
34mm	AFIPS34/2E	108mm	AFIPS108/2E
42mm	AFIPS42/2E	114mm	AFIPS114/2E
48mm	AFIPS48/2E	140mm	AFIPS140/2E
54mm	AFIPS54/2E	127mm	AFIPS127/2E
60mm	AFIPS60/2E	159mm	AFIPS159/2E
67mm	AFIPS67/2E	169mm	AFIPS169/2E
76mm	AFIPS76/2E		

> Test Matrix - BS 476 and / or BS EN 1366-3 for 120mins

PIPE MAT	DIAMETER	BLOCK WALL	SOLID FLOOR	MINERAL BATT	PLASTERBOARD
COPPER	15 - 160mm	•	•		•
CAST IRON	15 - 160mm	•			•
MILD STEEL	15 - 160mm	•	•		•
STAINLESS STEEL	15 - 160mm	•	•		•
POLYBUTYLENE	12mm	•	•	•	•
POLYBUTYLENE	28mm	•	•	•	•
PVC	55 - 110mm	•	•	•	•
PVC	160	•	•		•
PVC-U	15 - 160mm	•	•		•
HDPE	15m - 160mm	•*	•		•*

* HDPE 160mm limited to E190. See website for full specifications or please contact us

All sleeves have been tested with a 25mm nominal wall thickness. Sleeves have been tested cut flush to the wall for metal pipes only and floor for metal and plastic pipes. Sleeves have also been tested in walls, for plastic pipes, leaving 25mm exposed for connection to standard pipe insulation.

The sleeve is simple to install, easy to cut and one sleeve can replace two collars. For metal pipes the sleeve may also be fitted flush to the wall for a clean line solution.

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF / SIZE / RATING

FOR EXAMPLE

10 / ASTROTHERMAL FIRE PS / AFIPS17/2E / 17MM / 2HOUR

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Quick Overview

CE Marked

Suitable for fire protecting a wide range of plastic and metal pipes.

Tested to BS476: Part 20

Tested to BS EN 1366-3

2 Hours plus Fire Rated

Acoustic Tested to BSEN ISO 140-3 and BSEN ISO 717

Maintains thermal insulation for the pipe For use through a wide range of fire partition walls and floors.

Allows for thermal movement of pipe EN13501-2

> Testing

Tested on the following pipe sizes to BS 476 Part 20 and BS EN 1366-3 for up to 2 hours.

BS 476 part 20

Copper	12 - 160mm	2 hours
Stainless Steel	15 - 160mm	2 hours
Mild Steel	15 - 165mm	2 hours
Cast Iron	15 - 160mm	2 hours
PVC	55 - 110mm	2 hours
PVC	160mm	90 mins
Polybutylene	12 - 28mm	2 hours
HDPE	15 - 160mm	2 hours

EN 1366-3

Metal	15mm	E120 Wall
Metal	15 - 159mm	E120, E130min Wall
PVC	43 - 160mm	E120 Wall
PVC	43 - 110mm	E120min wall / floor
PVC	160mm	E190 Floor
HDPE	40 - 110mm	E120min wall / floor
HDPE	110 - 160mm	E190min wall / E120 Floor

> Trade Name ASTRO TDW

THERMAL DEFENSE WRAP

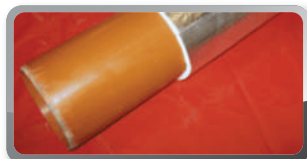


> Product Description

Thermal Defense Wrap prevents the passage of fire and smoke between fire rated compartments where there is a service penetration. It is an easy to use product designed to maintain necessary insulation on services and prevent temperature rise of service on the cold face. The wrap remains flexible at normal temperatures to permit thermal and mechanical movement of the services without causing cable to overheat and deteriorate. It causes no known adverse effects to plastic pipes, plastic cables, sheathing or metallic components. Thermal Defense Wrap is based on ceramic technology with bio-soluble, vitreous fibres and flexible organic binders that will maintain compartmentalization for

up to 2 hours. Tested in concrete floors. Tested in large service openings. Highly flexible and water resistant. Halogen free, resists fungi and vermin. For installation a 300mm length is required on each side of the service.

Specification
 Dimensions: 6mm thickness
 Sheet Size: 300mm wide x 1000mm long x 6mm
 We can supply in different roll sizes or cut to size. Density: 180Kg/m³ - 250Kg/m³
 Colour: White & Silver. Alufoil Thickness: 0.25mm Nominal. Fire Resistance: 2 hours - EN1366:3 2009. Fire Classification: EN13501-2. Suitability: Cables, Metallic Pipes, Cable Trays, Cable Ladders Use: Can be used around Armaflex type products.



> Quick Overview

Fire resistant wrap for pipes and cables.
 Fire resistance testing to EN 1366-3 EI 120.
 Fire Classification to EN 13501-2.
 Tested in block wall, concrete, masonry & plasterboard partition.
 Tested in concrete floors.
 Tested in large service openings.
 Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.
 Remains flexible between -10 to +160°C.
 Continued flexibility without ageing.
 Quick and easy to install.
 Easy to wrap, shape and cut.
 High level of insulation, high temperature stability.
 Certifire Approval

> Availability

NAME	DIMENSIONS	PRODUCT CODE
Astro TDW	300mm wide x 1000mm long x 6mm	AFTDW
Astro TDW	Customer Specified	---

> How to order this product

PLEASE QUOTE
 QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
 10 / ASTRO THERMAL DEFENSE WRAP / AFTDW

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Trade Name ASTRO X-SERIES PILLOW

FIRE PILLOWS X-SERIES



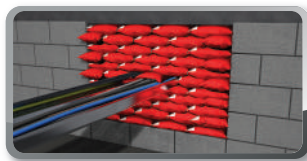
> Product Description

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 1m² area and suitable for indoor and outdoor locations pillows remain flexible between -20°C to +130°C. Non-toxic, easy to install and with a 25 year lifespan. Three sizes of X-Series fire pillow are available; please ensure that the correct pillow is installed to suit the opening size.

Sizes and Codes

Large AFFPLX - 330mm x 200mm x 45mm
 Small AFFPSX - 330mm x 200mm x 25mm
 Sausage AFFPSASX - 330mm x 50mm x 20mm



> Quick Overview

Fire Pillows tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.
 Fire Resistance EN 1366-3 EI 120 and BS 476 - 240mins.
 Fire Classification EN13501-2.
 IET (IEE) 17th Edition Fire Stop Compliant to Regulation 527.1-3 - Electrical Installations.
 BS 7671-2008 Chapter 42 & 52 - Electrical Installations Fire Resistance.
 Acoustic Isolation EN10140 - 46dB.
 Air Permeability EN1026 - 420Pa.
 Reaction Temperature 180°C.
 Expansion of 200%.
 CE Marked
 UL-EU listed
 Certifire Approval

> How to order this product

PLEASE QUOTE
 QUANTITY/TRADE NAME / PRODUCT REF / SIZE

FOR EXAMPLE
 5/ ASTRO PILLOW / AFFPLX / LARGE

> Trade Name ASTRO PILLOW

INTUMESCENT FIRE PILLOWS



> Product Description

Our fire pillows are manufactured from a hard wearing specially treated glass cloth filled with a mixture of mineral fibre and reactive expansion (intumescent) agents. On exposure to high temperatures from a fire the intumescent material expands and then hardens to provide a complete and durable seal against the passage of fire, smoke and hot gases. Intumescent Fire Pillows can be used for creating either temporary or permanent fire barriers and are ideal for sealing cable trays and ducts that penetrate fire resistance structures. Suitable for use in

telephone exchanges, computer rooms and other areas where cable services are frequently modified. Suitable for the sealing of Cable Trunkings, Small, Medium and Large Cables, Cable Trays, Cable Ladders and Metallic Pipes. Installation types: These intumescent pillows have been independently tested in accordance with BS476: Part 20: 1987 and can provide up to 4 hours fire integrity. Also tested to EN1366-3, NHBC Type Approval. They contain no asbestos or halogens. Penetrations up to 600mm² - 4 hrs and up to 1000mm² 2 hrs fire resistance.

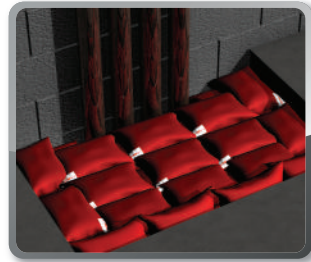
> Availability

Available in 4 standard sizes to enable effective sealing in whatever size or shape of opening either in walls or floors.

SIZE / TYPE	DIMENSIONS	PRODUCT CODE
Large	300mm x 200mm x 40mm	AFFPL
Medium	300mm x 150mm x 40mm	AFFPM
Small	300mm x 100mm x 40mm	AFFPS
Sausage	300mm x 50mm x 40mm	AFFPSAS

> How to order this product

PLEASE QUOTE QUANTITY / TRADE NAME / PRODUCT REF / SIZE	FOR EXAMPLE 5 / ASTRO PILLOW / AFFPL / LARGE
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> Quick Overview

- Fire Pillows tested to BS476: Part 20: 1987
- EN1366-3 EI120
- EN13501-2 Fire Resistance Classification
- EN1026 Air Permeability
- EN10140 Acoustic Reduction
- Up to 4 hours fire integrity
- Available in 4 standard sizes
- Easy to install & re-locate
- Removable for re-use
- For wall floor & ceiling penetrations
- Dustproof - safe for the work environment
- Protects cable trays & ducts
- NHBC Type Approval.
- Certifire Approval
- CE Marked
- UL-EU Listed
- Certifire Approval

> Trade Name ASTRO FS BLOCK

FIRE STOP BLOCK

> Product Description

Fire Stop Block is a unique, compressible and fully intumescent alternative to fire pillows. FS Block can be supplied in up to 1 metre lengths and can be cut to size on

site. This ensures maximum flexibility and minimum wastage. The material can be installed within and around various electrical penetrations and provides up to 120 minutes fire rating.

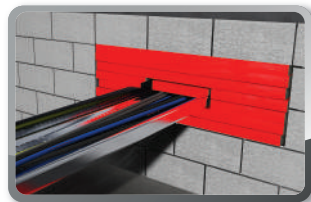
> Availability

Available in 1 metre lengths in any quantity.

NAME	DIMENSIONS	PRODUCT CODE
Astro FS Block	30.0 x 150.0 x 1000mm	AFFSBLOCK

> How to order this product

PLEASE QUOTE QUANTITY / TRADE NAME / PRODUCT REF	FOR EXAMPLE 10 / ASTRO FS BLOCK / AFFSBLOCK
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> Quick Overview

- Tested to BS EN 1363-1:1999 for up to 2 hours
- Compressible material for simpler installation
- Only min. 10% compression required
- Can be cut to any required length(s).
- Red coating provides easy recognition
- Easy to add and remove
- Square edges are easy to stack
- No overlapping required - lower cost
- Can be installed from one side
- 150mm length can provide a clean wall solution
- EI20 on up to 100x100mm PVC Trunking
- EI20 on up to 150x150mm Steel Trunking
- EI20 on Cable Basket and various Cable Types

> **Trade Name** ASTRO FR CEILING VALVE

FIRE RATED CEILING AIR VALVES

> Product Description

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 be firestopped to reinstate 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. If air valves are to be fitted to a ceiling where the downlights are fire rated then you need fire rated ceiling air valves.



> Availability

ITEM	DIAMETER	PRODUCT REF
EXTRACT VALVE - 60 Min Fire Rated		
SMALL	80mm	AFFRCV80E
MEDIUM	100mm	AFFRCV100E
LARGE	125mm	AFFRCV125E
X LARGE	150mm	AFFRCV150E
XX LARGE	200mm	AFFRCV200E
SUPPLY VALVE - 60 Min Fire Rated		
SMALL	80mm	AFFRCV80S
MEDIUM	100mm	AFFRCV100S
LARGE	125mm	AFFRCV125S
X LARGE	150mm	AFFRCV150S
XX LARGE	200mm	AFFRCV200S

> How to order this product

PLEASE QUOTE

QTY / TRADENAME / TYPE / DIAMETER / PRODUCT REF

FOR EXAMPLE

8NO / ASTRO FR CEILING VALVE / SUPPLY / 125 / AFFRCV125S

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> Quick Overview

Fire rated ceiling air valves - supply and extract types.

Maintains integrity of fire rated ceilings for up to one hour.

Tested for 60 minutes to BS EN 1365-2

Meets the requirements of Building Regulations Document B

An alternative to more expensive metal Fire Rated Valves / Fire Dampers

Fits in the same way as a normal air valve

Air Flow is unaffected by fire resistant inserts

Easy to retro-fit in place of existing valves

Available in 80mm, 100mm, 125mm, 150mm and 200mm diameter in extract or supply versions.

> **Trade Name** ASTRO DS DUCT SLEEVE LOW PROFILE

ASTRO DUCT SLEEVE + LOW PROFILE



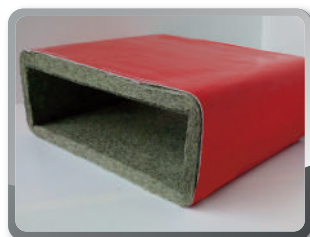
> Product Description

The Astroflame range of Astro Low Profile 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.

The NEW Astro Vent Duct Sleeve Plus offers the same industry leading fire

performance in a more compact version. Offering 120 Minutes Fire Rating.

With a Reduced 10-15mm thickness allows installation at any position in the wall even tight to the floor slab without removing the top side. Product can be slit to allow retrofitting.



> Quick Overview

CE Marked

Duct sleeve plus with 2 hr rating to EN 1366-3:2009 / EN 13501 - 1 Construction Covered

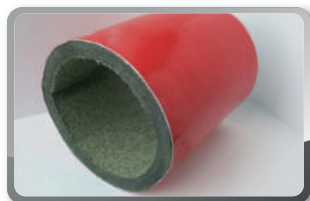
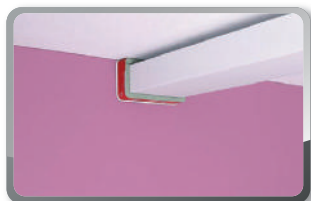
Uncapped / Uncapped (Open | Open) fire tested as required for ventilation systems. Suitable for use through a wide range of fire partition walls

Reduced 10-15mm thickness allows installation at any position in the wall even tight to the floor slab without removing the top side.

Product can be slit to allow retrofitting. Sleeve can be easily fitted only requiring access from one side

> Availability

ITEM	WIDTH	HEIGHT	LENGTH	PRODUCT REF
Duct Sleeve 110 +	110mm	54mm	180mm	AFDS110LP
Duct Sleeve 204 +	204mm	60mm	180mm	AFDS204LP
Duct Sleeve 220x90 +	220mm	90mm	180mm	AFDS22090LP
Duct Sleeve Circular 100+	-	103mm	180mm	AFDSC100LP
Duct Sleeve Circular 127+	-	127mm	280mm	AFDSC127LP
Duct Sleeve Circular 159+	-	155mm	280mm	AFDSC159LP



> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO DS DUCT SLEEVE + LOW PROFILE / AFDS110LP

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO DS DUCT SLEEVE

DS DUCT SLEEVE

> Product Description

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 at least 2 hours except the 220x90mm version which is rated 60mins. The Ventilation duct sleeves are available to fit all common sizes of plastic ventilation duct and are suitable for retro fitting with access only required from one side.

> Availability

ITEM	WIDTH	HEIGHT	LENGTH	PRODUCT REF
Duct Sleeve	110mm	54mm	180	AFDS110
Duct Sleeve	204mm	60mm	180	AFDS204
Duct Sleeve	220mm	90mm	180	AFDS22090
Duct Sleeve	234mm	29mm	180	AFDS234
Duct Sleeve	308mm	29mm	180	AFDS308
Duct Sleeve Circular	-	103 Diam mm	150mm	AFDSC100X
Duct Sleeve Circular	-	127 Diam mm	280mm	AFDSC127X
Duct Sleeve Circular	-	159 Diam mm	180mm	AFDSC159X

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF / SIZE

FOR EXAMPLE

10 / ASTRO DS DUCT SLEEVE / AFDS204 / 204MM



> Quick Overview

CE Marked

Duct sleeve with 2 hr rating to BS 476 & EN 1366-3:2009 / EN 13501 - 1 Construction Covered

Fire Ratings: EI60, EI120 up to EI240 minutes Uncapped / Uncapped (Open | Open) fire tested as required for ventilation systems.

Suitable for use through a wide range of fire partition walls

Offers excellent acoustic insulation

Maintains the thermal insulation of the duct through the penetration

Maintains vapour seal of existing insulation leave can be easily fitted only requiring access from one side

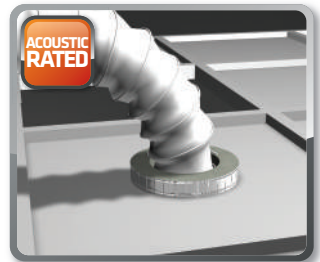
> **Trade Name** ASTRO ACOUSTIC VENT SLEEVE

FIRE RATED VENT SLEEVE

> Product Description

Recessed ceiling fans and ventilation ducts are widely used in both domestic and commercial buildings and the use of forced / controlled ventilation is increasing because it can be more energy efficient than traditional ventilation methods. Centralised ventilation units and heat recovery units result in a building having both horizontal and vertical penetration holes through the structure, creating pathways for the passage of fire and smoke. Once a hole is made in the ceiling for a polymeric fan or vent, the integrity of the construction and its ability to perform in a fire is reduced significantly.

Ceilings subject to fire regulations must be fire protected in accordance with Approved Document B of the Building Regulations. Any vent opening must be fire stopped to reinstate the original fire rating of the ceiling. Unlike down lights, which are generally all fire protected, fans and vents are often left unprotected. A 100mm diameter fan or vent has several times the open area of a down light and lacks a metal "can" to slow the spread of fire. This, coupled with the ability of the fire to move all around the building via the ventilation system, makes it ever more important to fire protect ceiling mounted fans and vents. Available in singles or boxes of 10.



> Quick Overview

A fire rated Vent Sleeve for ventilation ducts. Restores and maintains integrity of 30 & 60 minute fire rated ceilings

Provides an effective acoustic barrier between fan / vent and ceiling

Easy to retro fit into existing fans / vents Lightweight and can be fitted from above or below the ceiling

Invisible once fan / vent is fitted

80mm and 100mm diameter sizes available

> Availability

ITEM	DIAMETER	PRODUCT REF	CUT OUT
Acoustic vent sleeve	80	AFAVS80	110mm
Acoustic vent sleeve	100	AFAVS100	127mm
Acoustic vent sleeve	125	AFAVS125	167mm
Acoustic vent sleeve	150	AFAVS150	202mm

> How to order this product

PLEASE QUOTE

QTY / TRADENAME / SIZE / PRODUCT REF

FOR EXAMPLE

10 / ASTRO ACOUSTIC VENT SLEEVE / 100 / AFAVS100

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO FRA SOCKET BOX INSERT

INTUMESCENT FIRE & ACOUSTIC INTERNAL SOCKET BOX INSERT

> Product Description

Socket Box Inserts are used to restore the fire rating of a wall otherwise compromised by apertures and gaps following the fitting of socket boxes. This design also restores the acoustic and thermal performance of the wall and its air-tightness. Inserts are quick and easy to fit in comparison with traditional putty pads. Once a hole is made in the wall for a recessed switch or socket box, the integrity of the construction and its ability to perform in a fire can be significantly reduced. The acoustic performance of the wall is also affected and air leakage will increase. Air leakage allows heat loss and noise transmission. A single socket can leak over 3.5 cubic metres of air per hour and the combined air leakage of all the sockets in a room can create significant thermal loss.

> How to order this product

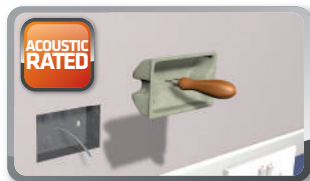
PLEASE QUOTE

QTY / TRADE NAME / SIZE / PRODUCT REF

FOR EXAMPLE

10 / ASTRO FRA SOCKET BOX INSERT / SINGLE / AFFRASOCSIN

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com



> Quick Overview

Easy to install putty pad alternative. Single and Double socket sizes available. Tested to BS EN 1366-1 | 13664-2 for up to 120 mins. Provides an effective acoustic barrier to both impact and airborne sounds. Maintains the fire protection performance of the wall - preventing or delaying the spread of fire. Prevents or delays fire from entering a wall cavity and attacking the building structure. Simple and fast mechanical fixing, no adhesives, no mess. Air leakage tested to BS EN 1026:2000 over a pressure range of 2-50 Pa. Acoustic Tested to BSEN ISO 140-3 and BSEN ISO 717

> **Trade Name** ASTRO FRA SOCKET BOX COVER

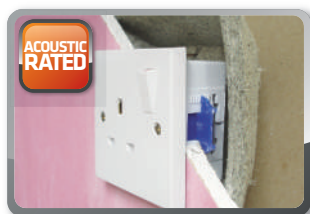
INTUMESCENT FIRE & ACOUSTIC SOCKET BOX COVER

> Product Description

Switch boxes, in walls subject to fire regulations, must be correctly fire protected. Once a hole is made in the wall for a recessed switch or socket box, the fire integrity of the construction is compromised. In addition the wall's capacity to provide an effective acoustic and thermal barrier is impaired. For timber framed buildings preventing a fire from entering wall cavities and attacking the structure is critical to the overall fire integrity of the building. To combat these fire risks Astroflame has developed a pre-formed socket / switch box cover to provide fire and acoustic protection as an easy fit alternative to conventional putty pads. This restores and maintain fire insulation and integrity in plasterboard walls for up to 120 minutes. In a fire the cover expands, filling all

of the available space with a fire resistant highly insulating char. The fire is unable to penetrate the aperture and the socket cover is able to give additional insulation protection to the wall void by reducing the chance of heat build up leading to the ignition of flammable structural members. In a wall with two layers of plasterboard on each face, the ends of the fixing wires can be pushed between the plasterboard layers.

The Socket Cover also reduces the transmission of noise and has a certified acoustic rating. Single size cover dimensions: 90mm x 90mm x 50mm deep - AFFRASOCS Double size cover dimensions: 160mm x 90mm x 50mm deep - AFFRASOCD



> Quick Overview

Easy to install putty pad alternative. Pre-formed covers to fit most electrical switch boxes Tested to BS 476 Part 20 for up to 120 mins. Tested to BS EN 1366-3 60 minutes Prevents or delays fire from entering a wall cavity and attacking the building structure. Can be retro fitted to existing sockets / switches or fitted during wall construction. The switch / socket box can be removed without disturbing or replacing the cover. Effective acoustic barrier to both impact and airborne sounds. Acoustic Rating up to -67 dB.

> How to order this product

PLEASE QUOTE

QTY / TRADE NAME / SIZE / PRODUCT REF

FOR EXAMPLE

10 / ASTRO FRA SOCKET BOX COVER / SINGLE / AFFRASOCS

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO CLAD VENTILATED FIRE BARRIERS

FIRE RATED CLADDING SEALS

> Product Description

Many rainscreen and cladding systems are designed with an open cavity to provide back ventilation. The cavity acts like an open chimney to allow for moisture dissipation and to create a back pressure to repel rain ingress. However in a fire situation this chimney effect creates an open path for the hidden spread of fire both vertically and horizontally behind the cladding system. The Astroflame range of fire rated cladding seals will maintain the ventilated cavity in normal conditions, leaving a continuous free air space, but in the event of a fire, the intumescent ventilated fire barrier will

quickly expand to seal off the cavity to prevent the spread of fire.

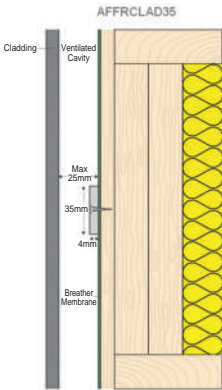
Ventilated Fire Barriers for Cavities 15mm - 50mm

Many timber framed structures require a continuous ventilated to be maintained to dissipate moisture and prevent damp problems. The Astroflame ventilated fire barriers have been tested in combustible timber constructions and can maintain the minimum 30 minute rating whilst allowing continuous ventilation in normal conditions.



> Quick Overview

Creates a fire barrier within rainscreen cladding
Suitable for ventilated cavities from 15mm
Tested to BS 476 Part 20 : BS EN 1363-1
to the principles of EOTA TR31
Improves cladding performance
30-120 minutes rating (depends on
substrate)
Horizontal or Vertical use



Astro Clad – AFFRCLAD35

Astro Clad – AFFRCLAD35 was designed to meet the NHBC requirements to maintain a minimum 15mm ventilation gap in timber frame constructions. The product has been successfully fire tested in maximum size cavities of 25mm fitted directly onto combustible breather membrane and fixed into the timber structure to provide at least 30 minutes fire rating. It can additionally achieve greater fire ratings in non-combustible structures

Size: 35mm x 4mm x1000mm encased in foil
Maximum cavity size; 25mm. Maximum free area; 83%. Fire ratings: Minimum 30 minutes in Timber Structures. 120 minutes in Non-Combustible Structures.

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	60

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
MASONRY / CONCRETE	120	120

TO ORDER ASTRO CLAD SILVER
35MM X 4MM X 1000MM AFFRCLAD35

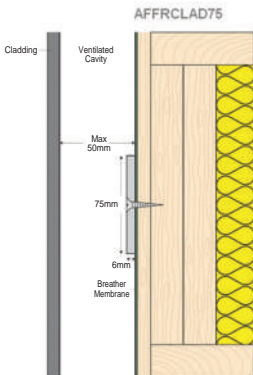
ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
BRICK, BLOCK, MASONRY	120	120
AERATED CONCRETE BLOCK	120	120

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
KINGSPAN K15 ON CONCRETE	120	120
KINGSPAN K15 ON TIMBER	30	60

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
MIN. FIBRE ON CONCRETE	90	90
MIN. FIBRE ON TIMBER FRAME	30	60

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	60

TO ORDER ASTRO CLAD SILVER
75MM X 6MM X 1000MM AFFRCLAD75

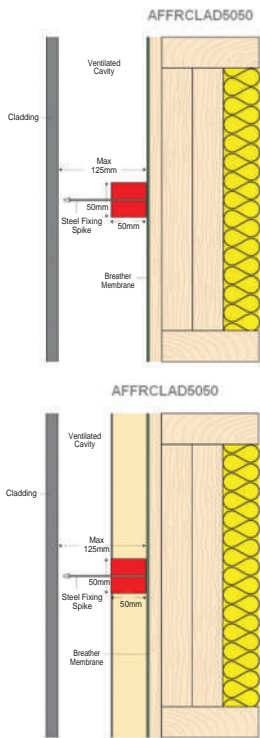


Astro Clad – AFFRCLAD75

Astro Clad- AFFRCLAD75 was developed following an increasing demand for a suitable product to close off larger cavities up to 50mm in timber frame constructions.

The product has been successfully fire tested in cavities up to a maximum of 50mm within both combustible timber structures and non-combustible structures to provide up to 120 minutes fire rating.

Size: 75mm x 6mm x1000mm encased in foil
Maximum cavity size; 50mm. Maximum free area; 87%. Fire ratings: Minimum 30 minutes in Timber Structures. 90 minutes on mineral wool over cement board 120 minutes in Non-Combustible Structures.



Astro Clad – AFFRCLAD5050

Astro Clad – AFFRCLAD5050 was designed to provide a large continuous open air space for cavities up to 125mm. The product has been successfully fire tested to a maximum cavity size of 125mm fitted directly onto combustible breather membrane and fixed into the timber structure to provide at least 30 minutes fire rating.

In addition the ventilated fire barrier can be fitted in between phenolic insulation to provide an effective fire barrier.

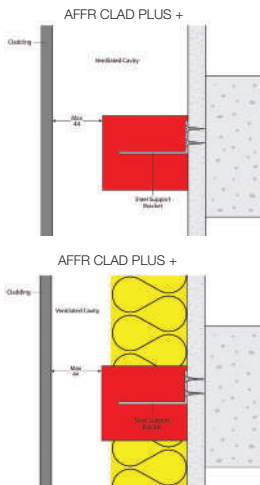
Size: 50mm x 50mm x 1000mm encapsulated in red polythene. Maximum cavity size: 125mm
 Maximum free area: 60%. Fire ratings: Minimum 30 minutes in Timber Structures
 Minimum 30 minutes fitted between Phenolic Insulation.



ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	30

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
MASONRY / CONCRETE	30	30

TO ORDER ASTRO CLAD RED
 RED 50MM X 50MM X 1000MM AFFRCLAD5050



Astro Clad – AFFRCLADPLUS+

Astro Clad-AFFRCLADPLUS+ offers an effective fire barrier for cavities over 125mm. The product has been successfully fire tested for up to 90 minutes fitted directly onto cement board. The product not only offers a superior fire rating but also allows a continuous ventilation space of up to 44mm. This provides excellent ventilation behind the cladding whilst leaving enough free space for the installer to easily install the cladding panels after the ventilated fire barrier seal.

Finish: Encapsulated in red polythene
 Size: Customer specifies the required depth based on formula below

75mm x 1000mm x Total Cavity Width minus 44mm (Custom Depth) Maximum Air Gap: 44mm. Fire ratings: 90 minutes fixed to cement board.

ASSESSED CONSTRUCTION TYPE	FIRE RATING*	
	HORIZONTAL	VERTICAL
BRICK, BLOCK, MASONRY	30.60.90	30.60.90
AERATED CONCRETE BLOCK	30.60.90	30.60.90

ASSESSED CONSTRUCTION TYPE	FIRE RATING*	
	HORIZONTAL	VERTICAL
FITTED WITH KINGSPAN KITS	30.60.90.120	30.60.90.120

ASSESSED CONSTRUCTION TYPE	FIRE RATING*	
	HORIZONTAL	VERTICAL
MIN. FIBRE ON CONCRETE	90	90
MIN. FIBRE ON TIMBER FRAME	30	60

ASSESSED CONSTRUCTION TYPE	FIRE RATING*	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	30

* Fire rating will vary depending on cavity size.

TO ORDER ASTRO CLAD RED
 75MM X 1000MM X YOUR CUSTOM DEPTH MM
 AFFRCLADPLUS+

> How to order this product

PLEASE QUOTE
 QUANTITY/TRADE NAME/PRODUCT REF

FOR EXAMPLE
 10/ASTRO CLAD/AFFRCLADPLUS+

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO CAVITY FIRE BARRIER ROLL

CAVITY FIRE BARRIER ROLL

> Product Description

Cavities are created in many wall constructions to aid thermal insulation performance and to provide a moisture barrier. Such constructions are common in residential, public and commercial buildings. Completely closing the cavity, for example with solid cavity barriers, can detract from its performance and can result in both thermal and moisture bridging and potential structural damage.

These wall cavities can form unrestricted chimneys which, if left unprotected, can allow fire to spread both vertically and

horizontally around a building. Cavities are subject to Building Regulations and most should be fitted with fire barriers to prevent the spread of fire via the open cavity. To combat this Astroflame as part of its continuing development of passive fire protection solutions has developed a Cavity Fire Barrier On a Roll.

Note:
Not suitable for use with rainscreen cladding or timber cladding systems.

75mm wide x 4mm thick x 6.3 metres long. Product Ref : AFCFBR75



> Quick Overview

Tested to BS 476 Part 20
30 Minutes Fire Rating
For cavities up to a nominal 50mm
Suitable for timber & masonry cavities and behind door and window jambs
Prevents thermal & moisture bridging
Reduces the need for unsightly ventilation and drainage apertures
Low Profile Design
Prevents pushing out of bricks or distortion of cladding
Compact Roll

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

5 / ASTRO CAVITY FIRE BARRIER / AFCFBR75

> **Trade Name** ASTRO VFB KIT

VENTILATED FIRE BARRIER KIT

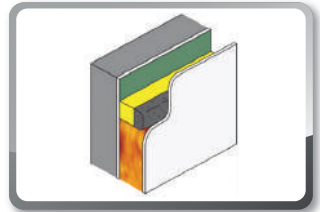
> Product Description

This kit enables on-site assembly of fully fire tested and approved Ventilated Fire Barriers to fit all common cavity sizes with an air gap left for ventilation and moisture dissipation. Air gaps of 25, 35 and 46mm are supported.

A roll of fire barrier material and fixings are supplied with the kit but some cavities may require mineral fibre board to narrow the cavity gap so that the activated fire seal fully closes the ventilation air gap.

Mineral fibre board is sold separately. VFB Kit can be mounted directly on Timber Frame, Masonry, Kingspan* and Mineral Fibre insulation. Fully tested with cavity deviations of up to 10mm to ensure a reliable fire barrier is maintained. Fully tested in most popular constructions to give 30/60 minute fire protection 75mm wide x 4mm thick x 6.3 metres long.

* Limited applications, check with Astroflame for details.



> Quick Overview

This Ventilated Fire Barrier (VFB) kit fire protects ventilated cavities without compromising air circulation.
Suitable for air gaps of 25, 35 and 46mm, dependant on cavity size
Tested for use in Timber Frame, Masonry, Blockwork, Brickwork & Concrete constructions.
Fire Integrity of 30/60mins: BS 476 Part 20: 1987.
Permits cavity deviations of up to 10mm.
One product reduces stock holding as custom sizes can be made in minutes.
Can be assembled on site.

> Fire Ratings

	NO INSULATION	MINERAL WOOL	K-15
25-35mm Air Gap	60min	60min	60min
46mm Air Gap	30min	30min	30min

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

5 / ASTRO VFB KIT / AFCFBRKIT

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO EJ SEAL

INTUMESCENT EXPANSION JOINT SEALS



> Product Description

All expansion and movement joints in a fire separating wall and floor must be fire stopped with a material that will accommodate the require movement whilst providing the necessary degree of fire integrity.

Astroflame Intumescent Expansion Joint Seal is an elastomeric foam laminated with a graphite-based, intumescent compound on both sides. It is designed to perform as a 2 or 4-hour barrier in construction movement joints, when tested to EN 1366-4 and BS476. Designed for long linear joint installations in both horizontal and vertical applications it is a flexible and water resistant seal that expands when exposed to heat.

> Availability

120 Minute Fire Integrity

GAP SIZE	DIMENSIONS	INTEGRITY	INSULATION	PRODUCT CODE
Up to 10mm	12 x 12mm	120 minutes	120 minute	AFE 10/120
11 - 20mm	29 x 12mm	120 minutes	30 minutes	AFE 20/120
21 - 25mm	32 x 20mm	120 minutes	30 minutes	AFE 25/120
26 - 35mm	53 x 20mm	120 minutes	60 minutes	AFE 35/120
36 - 50mm	61 x 35mm	120 minutes	60 minutes	AFE 50/120
51 - 65mm	85 x 40mm	120 minutes	60 minutes	AFE 60/120
66 - 75mm	90 x 50mm	120 minutes	120 minutes	AFE 75/120
76 - 100mm	126 x 100mm	120 minutes	120 minutes	AFE 100/120
101 - 120mm	147 x 125mm	120 minutes	120 minutes	AFE 120/120
121 - 150mm	170 x 100mm	120 minutes	120 minutes	AFE 150/120

240 Minute Fire Integrity

GAP SIZE	DIMENSIONS	INTEGRITY	INSULATION	PRODUCT CODE
Up to 10mm	12 x 25mm	240 minutes	120 minutes	AFE 10/240
11 - 20mm	29 x 25mm	240 minutes	120 minutes	AFE 20/240
21 - 25mm	32 x 30mm	240 minutes	60 minutes	AFE 25/240
26 - 35mm	53 x 30mm	240 minutes	60 minutes	AFE 35/240
36 - 50mm	61 x 50mm	240 minutes	120 minutes	AFE 50/240
51 - 75mm	90 x 75mm	240 minutes	120 minutes	AFE 75/240
76 - 100mm	126 x 125mm	240 minutes	240 minutes	AFE 100/240
101 - 125mm	147 x 125mm	240 minutes	240 minutes	AFE 125/240
126 - 150mm	170 x 125mm	240 minutes	240 minutes	AFE 150/240

> How to order this product

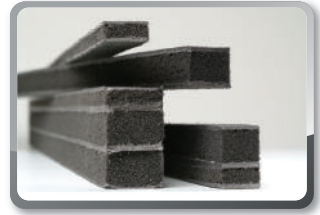
PLEASE QUOTE

QUANTITY/TRADE NAME/PRODUCT REF/SIZE (WIDTH MM)/FIRE INTEGRITY RATING.

FOR EXAMPLE

10 / ASTRO EJ SEAL / AFE|20/120/ 20MM / 120 MINS

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com



> Quick Overview

Fire Rated Expansion Joint Seal / Linear Joint Seal Available up to 150mm gap size.

Joint movement capability of +/- 50%.

Fire resistance testing to EN 1366-4 E 120, E120 and BS 476 240mins.

IEE (IEE) 17th Edition Fire Stop Compliant to Regulation 527:1-3 - Electrical Installations.

BS 7671-2008 Chapter 42 & 52 - Electrical Installations Fire Resistance.

Acoustic Isolation to EN 10140 to 22dB.

Air Permeability testing to EN 1026 to 600Pa - 100Pa 3.3/1.7 m3/h/m2 with FLEXI COAT.

Highly flexible and water resistant.

Maintenance free.

Certifire Approval

The carbonaceous char formed by the graphite prevents the spread of fire through the joint thus ensuring the integrity of the compartment wall/floor is maintained.

Tested in block wall, concrete and masonry. Tested in concrete floors. Tested in linear joints up to 150mm wide. Tested with cables, cable bunches, cable trays and cable trunking. Joint movement capability of +/- 50%. Maintenance free. Halogen free, resists fungi and vermin.

Sold individually in metre lengths.

> Trade Name ASTRO FLEXI-BATT

FIRE RESISTANT FLEXIBLE BOARD



> Product Description

Astro Flexi-Batt is designed to prevent the passage of fire and smoke around penetrating services and is ideal for edge of slab detail and linear joints that require high movement. Flexi-Batt permits high lateral and longitudinal movement for penetrating services, facade designs and head of wall installations. Its integral structural support system gives large aperture designs the stability of conventional built-in fire stopping methods. Astro Flexi-Batt has a low density constructed core coated with ASTRO FLEXI COAT SEALANT on both faces.

This fire batt remains flexible, with a movement capability of +/- 50% from

-10 °C to +95 °C, to permit thermal and mechanical movement of services. Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components. Ideal for slab edge applications, head of wall and movement installations. Unaffected by oil, fungus, moisture, vermin, weather and contains no halogens or asbestos.

ASTRO FLEXI- BATT : 600mm x 1000mm x 50mm: 80kgm³ density.

> Quick Overview

Highly Flexible Fire Board / Batt designed to prevent the passage of fire around penetrating services with high movement.



Dynamic movement testing 500 cycles per 30 mins.
Accommodates site tolerances due to unique Hi-flex design core construction.
Fire resistance testing to EN 1366-3 EI 120, EN 1366-4 EI 120.
Fire Classification to EN 13501-2.
60 mins fire and smoke barrier (1 x 50mm Flexi-Batt)
120 mins fire and smoke barrier (2 x 50mm Flexi Batt).
Acoustic Isolation to EN 10140 to 52dB.
Air Permeability testing to EN 1026 to 600Pa.
Water Permeability testing to EN 1027 to 450Pa.
Can be spray, brush, pour or trowel applied.
Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.
Certifire Approval

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / DESCRIPTION

FOR EXAMPLE
20 / ASTRO FLEXI-BATT / AFB1000DCFB / 1000X600X50

> Trade Name ASTRO FLEXI-COAT SEAL

FIRE RESISTANT FLEXIBLE COATING



> Product Description

Flexi-Coat has been developed for use on a stone wool or elastomeric base. Flexi-Coat remains highly flexible to permit thermal and mechanical movement of services and the buildings structure. Once the Flexi-Coat is applied it prevents the passage of fire, smoke and sound between fire rated compartments giving a fire resistance tested to BSEN 1366-3 120EI and BSEN 1366-4 120EI. Flexi-Coat has also achieved 600Pa air permeability resistance testing to EN1026 and 450Pa water permeability resistance testing to EN 1027. Tested with metallic pipes, cables, cable bunches, Cable Trays and Cable Ladders and causes no deleterious effects to plastic pipes, plastic cables, sheathing or metallic components. Optimum solution for the sealing of the slab edge to the external cladding system - offering

> Quick Overview

Up to 2 hours fire resistance.
Smoke, acoustic, air and water barrier.
Offers 50% joint flexibility between -10 to +95 °C.
Fire Resistance EN 1466-3 EI120, EN 1366-4 EI 120
Fire Classification EN 13501-2
Acoustic Isolation EN 10140 to 52dB
Air Permeability EN 1026 to 600Pa
Water Permeability EN 1027 to 450Pa
Suitable for indoor use without additional environmental protection.
Withstands high pressure water and air.
Dynamic movement testing 500 cycles per 30 mins.

high movement capabilities. Install on base of 80kg/³ stone wool for flexible installations. Can be installed in to voids / cavities up to 500mm wide. Flexi-Coat is a water based elastomeric acrylic coating, having excellent fire, water, air permeability and elastomeric

Can be spray, brush, pour or trowel applied.
Ideal for slab edge applications, head of wall and movement installations.
Suitable for voids up to 500mm wide.
Ideal for spray, trowel, brush & pourable application.
Certifire Approval
UL-EU Listed
CE Marked
VOC Tested ASTM 02369-10 Leed 2009-EQ0415CAQMD
Highly Flexible and water resistant

properties offering up to 50% movement. Ideal for spray, trowel, brush & pouring applications. Halogen free. Unaffected by oil. Resists vermin and fungi. Contributes to Green Building. Can be used in conjunction with our FLEXI BOARD. ASTRO FLEXI COAT: 74 Litre Pall

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
5 / ASTRO FLEXI COAT SEAL / AFBFLEXICOAT

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO HIGH STRENGTH FIRE COMPOUND 20KG

HS FM COMPOUND



> Product Description

Astro HS FM Compound is a one-part synthetic mortar used to seal openings in walls and floors to prevent the passage of fire and smoke.

It is mixed with water to produce a trowelable or pourable mortar compound. The seal created is high strength and non combustible, with a fire resistance to EN 1366-3 2009 at 100mm thickness giving EI20 / EI 90 / EI 60: it can be made load bearing.

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO HIGH STRENGTH FIRE COMPOUND 20KG / AFFCHS



> Quick Overview

CE Marked

BS476 Fire Resistance - 120mins

BS476 Insulation - 120mins

EN1366-3 Fire Resistance - 60mins

EN1366-3 Insulation - 60mins

Acoustic Isolation 46dB expected

Tensile Strength 3N/mm²

Load Bearing - Up to 10.29 kN/mm²

(1000mm Span)

Can Be Used in Spans up to 2 metres wide

Can be reactivated with water to extend the working time.

Free of halogens, asbestos, fibres 7 silica and is non toxic.

Suitable for indoor and outdoor use & can be over painted.

Not affected by fungus, vermin, rodents and is environmentally friendly.

Acoustic insulation properties

> **Trade Name** ASTRO FM COMPOUND

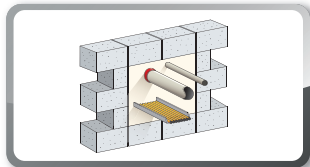
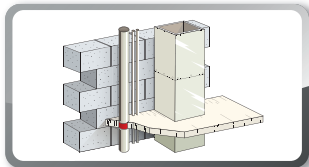
FIRE RESISTANT MORTAR



> Product Description

A one part synthetic mortar which when mixed with water produces a trowelable or pourable compound suitable for the sealing of openings in walls and floors to prevent the passage of fire and smoke. The seal is strong, non combustible, can be made load bearing. Mortar has fire resistance to EN 1366-3 and BS 476 part 4 and 20. Up to 4 hours at 100mm thickness, 2 hours at 75mm thickness and 1 hour at 50mm thickness. Additional services can be easily added through the mortar and

resealed with further mortar. Where plastic pipes pass through the mortar, Astroflame Pipe Wraps should be used. Tested to BS476: Part 20 Astroflame Fire Resistant Mortar can provide up to 6 hours fire resistance depending on depth/width. Load bearing up to 5kN and suitable up to spans of 4700mm. Life expectancy of over 20 years. Minimum waste. Can be reactivated to extend the working time. Free of halogens, asbestos, fibres and silica and is non toxic. Available in 20kg bags.



> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT CODE / WEIGHT

FOR EXAMPLE

20 / ASTRO FM COMPOUND / AFFC / 20KILO



> Quick Overview

Suitable for fire protecting large openings in floors and walls.

Fire Resistance testing to EN 1366-3 EI 60, E 90, BS 476 - 300mins.

Fire Classification EN 13501-2.

Load bearing for 1.5kN, 2.5kN and 5kN

Up to 4 hours fire resistance for floors & walls

Acoustic Isolation testing to EN 10140 to 44dB.

Air Permeability testing to EN 1026 to 600Pa

NHBC Type Approval

Certifire Approval

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> Trade Name ASTROPUTTY

INTUMESCENT PUTTY

> Product Description

Astroflame fire putty is a solvent free, easy to use, non-setting intumescent compound, which is ideal for sealing around pipes and cables in walls and floors. Tested to EN1366-3 on C1, C2 and D1 Type Cables, Cable Trays and Metallic Pipes. Causes no known detrimental effects to plastic pipes, plastic cables, sheathing or metallic components. Can accommodate substantial movement of service penetrations and can be easily removed and re-used. The flexibility of the putty enables complex and irregular shapes and openings to be fire stopped. Offers excellent hot and cold smoke sealing properties and is not affected by fungal

attack or moisture. Ideal for electrical, telecommunications and other such industries. Astroflame fire putty has been independently tested in accordance with BS476: Part 20: 1987 and EN1366-3 and can provide up to 4 hours fire resistance depending on depth and volume. Tested in block wall, concrete, masonry and plasterboard partition. Tested in concrete floors. Tested in large service openings up to 250 x 150mm.

If you are buying putty to make putty pads for electrical socket boxes check our PUTTY PAD ALTERNATIVE INSERTS - quick, clean and full fire protection.



> Quick Overview

Fire Putty with fire resistance testing to EN 1366-3 EI 120, and BS 476 240mins.

Fire Classification to EN 13501-2.

Certifire Approval

Acoustic Isolation to EN 10140 to 65dB.

Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.

Non-setting - easily removed and re-used.

Fills irregular shapes.

Highly flexible and water resistant.

Halogen free, resists fungi and vermin.

Shelf Life 60 months.

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT CODE / WEIGHT

FOR EXAMPLE

12 / ASTROPUTTY / AFIP / 1KILO

> Trade Name ASTRO BATT

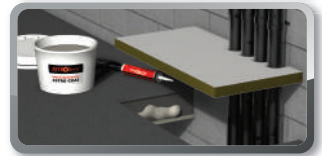
FIRE RESISTANT BATT



> Product Description

Specifically designed for sealing around service penetrations in walls and floors, a single Astroflame board (50mm or 60mm thick) can provide high levels of fire integrity and insulation. Tested in Block Wall, Concrete, Masonry, Plasterboard Partition, Composite Panel and Durasteel Wall. Tested in Concrete Floors. Offering up to 4 hours fire resistance in accordance with BS476: Part 20: 1987. Up to Rw48dB sound reduction achieved by using two boards. Astroflame Boards consist of a stone fibre core coated on both sides with Astro Coat which transforms during a fire

to prevent the passage of fire and smoke and the transfer of heat. Unaffected by oil, fungus, moisture, vermin, weather and contains no halogens or asbestos. ASTRO BATT cut edges or joints should be coated with ASTRO COAT. If your installation is subject to regular structural movements we stock a flexible fire rated batt and a flexible sealant coating designed to accommodate compression and elongation forces. Please note fire, Acoustic & EI ratings vary depending on the thickness of the batt used and the configuration. Please contact us for confirmation.



> Quick Overview

Fire Resistant Board for sealing service penetrations in walls or floors.

50mm or 60mm thickness batt gives 4 hours fire and smoke barrier and up to 2 hours insulation.

Fire Resistant testing to EN 1366-3 EI 30, EI 60, EI 90, EI 120, BS 476 - 240mins.

Fire Classification to EN 13501-2.

IET (IEE) 17th Edition Fire Stop Compliant to Regulation 5271-3 - Electrical Installations.

BS 7671-2008 Chapter 42 & 52 - Electrical Installations Fire Resistance.

Air Permeability testing to EN 1026 to 600Pa.

Acoustic Isolation testing to EN 10140 to 48dB.

Life expectancy of over 25 years.

Suitable for indoor use without additional environmental protection.

Certifire Approval

CE Marked

UL-EU Listed

> Availability

ITEM	CODE	DENSITY
Firebatt (60mm)	AFB1200DC60	160KGM ³
Firebatt (50mm)	AFB1200DC50	140KGM ³

> How to order this product

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF / DESCRIPTION TYPICAL WORDING

FOR EXAMPLE

20 / ASTROBATT / AFB1200DC50 / 1200X600X50

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

> **Trade Name** ASTRO PS COAT

PENETRATION SEAL COATING



> Product Description

Astro PS Coating is a water based ablative acrylic coating, having excellent fire, water, air permeability and elastomeric properties for service penetration openings containing metallic pipes, cables, cable trays and trunkings. Ideal for trowel, brush and pouring applications. At normal temperatures Astro PS Coating remains flexible to permit thermal and mechanical movement of services and the building structure.

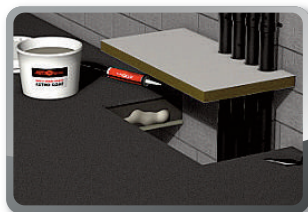
Astro PS Coating has been developed for use on Mineral wool as an alternative to pre-coated batts. Astro PS Coating is applied to a pre-fitted stone wool of >140kg/m³ density and thickness between 50 to 150mm, it is

> How to order this product

designed to prevent the passage of fire, smoke, air and sound between fire resistant compartments offering a fire resistance tested to EN 1366-3:2009 EI60. The coating can be used to coat service insulation as part of the sealing system.

> Quick Overview

CE Marked
UL-EU Listed
IET (IEE) 17th Edition Fire Stop Compliant to Regulation 5271-3 - Electrical Installations.
IET (IEE) 17th Edition Fire Stop Compliant to Regulation 5271-3 - Electrical Installations.
Fire Resistance Testing to EN 1366-3 EI60,



Fire Classification to EN 13501-2
BS 7671-2008 Chapter 42 & 52 - Electrical Installations Fire Resistance.
Air Permeability testing to EN 1026 to 600Pa
Acoustic Isolation testing to EN 10140 to 51dB
Remains flexible between -5°C to +70°C
Easy to use fibre free coating
Suitable for large openings in walls and floors with additional supports.
Life expectancy of over 25 years
Flexible and water resistant
Contributes to Green Building
Fire and smoke seal up to 240 mins

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO PS COAT / AFPSCOAT

> **Trade Name** ASTRO COAT

BATT COATING SPRAY GRADE



> Product Description

Astro Coat is a water-based, acrylic, ablative coating with excellent fire, water, air permeability and elastomeric properties.

It prevents the passage of fire, smoke, air and sound between fire rated compartments and has been tested in block wall, concrete, masonry, plasterboard partition, composite panel, durasteel wall and concrete floors.

Fire protects service penetration openings containing metallic pipes, cables, cable trays, heating & ventilation ducts and trunking. Can be used to coat service insulation as part of the sealing system

At normal temperatures the coating remains flexible to permit thermal and mechanical movement of services and the building

structure. (If you need a very flexible coating see FLEXI-COAT).

Astro Coat is a thinner formulation for use with ASTRO BATT fire board, to seal the edges around the services and between the substrate and the batt before installation. Application is by spray, or brush or pouring applications. (Trowel Grade is also Available)

Suitable for large openings in walls and floors with additional supports.

Fire Resistant testing to EN 1366-3 EI 60 E 90, E 120, BS 476 - 240mins.

> Quick Overview

CE Marked
UL-EU Listed



Certifire Approval
Fire Resistance Testing to EN 1366-3 EI60, E90, E120
Fire Classification to EN 13501-2
Fire Resistance Testing to BS 476 240 minutes
IET (IEE) 17th Edition Fire Stop Compliant to Regulation 5271-3 - Electrical Installations.
BS 7671-2008 Chapter 42 & 52 - Electrical Installations Fire Resistance.
Air Permeability testing to EN 1026 to 600Pa
Acoustic Isolation testing to EN 10140 to 63dB
Remains flexible between -5°C to +70°C
Easy to use fibre free coating
Suitable for large openings in walls and floors with additional supports.
Life expectancy of over 25 years
Flexible and water resistant
Contributes to Green Building

PLEASE QUOTE

QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE

10 / ASTRO COAT / AFBCOATSL

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

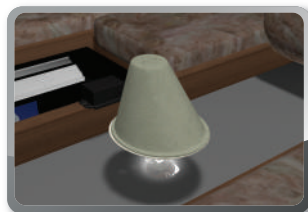
> **Trade Name** ASTRO LC LOFT CONE

FIRE RATED LOFT CONE

> Product Description

Recessed downlights are a common feature in many homes, however they also represent a potential fire hazard, especially if buried in loft insulation. Numerous house fires have been caused by the ignition of combustibles in ceiling spaces caused by hot downlights being covered with insulation. In addition, the thermal performance of a ceiling is typically reduced by 50% when penetrated by multiple downlights due to heat loss through the gaps made in the insulation. Using an Astro Loft Cone restores the air tightness of the ceiling and ensures continuity of insulation so that the overall performance is similar to that of a ceiling without downlights. The Astro Loft Cone meets the latest needs of BS EN 60598 and other international standards for a lighting product

when covered with insulation (sometimes referred to as a 'capped-F' type). It adheres to the maximum external temperatures requested by the IEC even when cool beam lamps are used. Suitable for aluminium and dichroic reflector lamps up to a max. 50W with cut-out dimensions of 50-100mm. Designed to meet both the new NHBC requirement for a vapour seal and the requirement for continuous loft insulation documented in Approved Document L, whilst still maintaining an air space between the light fitting and the insulation - as stipulated by many light fitting manufacturers. Use Astroflame Intumescent Mastic to complete vapour sealing. Dimensions: External 240mm x 180mm high. Internal 200mm x 150mm high.



> Quick Overview

F-Capped Flanged Fire Hood 30 minute fire rated.

Tested for 50 Watt lamps.

Thermal test BS EN 60598 Section 12.4 and BS 476 Part 20.

IP6X dust tight

Easily fitted - simply drop over light fitting and seal with mastic to form vapour seal.

Save energy by limiting heat loss into loft space.

Allows continuous insulation over lights.

Fully tested to prevent overheating.

Reduces fire risk by keeping combustibles away from hot downlight.

Rigid and capable of supporting loft insulation away from light fitting.

Greendael Compliant. PAS 2030 Compliant
EPPN Compliant

> Availability

ITEM	SIZE	PRODUCT CODE
Loft Cone	240mm x 180mm	AFLFTCON

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
12NO / ASTRO LC LOFT CONE / AFLFTCON

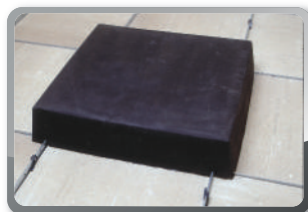
> **Trade Name** ASTRO LUMI COVER

LUMINAIRE COVER

> Product Description

Recessed luminaires or modular light fittings are widely used in commercial buildings. Each ceiling is subject to fire regulations and where applicable the ceiling construction needs to be fire rated. 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. To combat this Astroflame, as part of its continuing development of passive fire protection solutions, has developed a Recessed Luminaire Cover for use in 30 and 60 minute fire rated ceilings.

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. The cover also gives additional insulation protection to the ceiling void reducing the chance of ignition of accumulated dust and insulation. The cover is unaffected by moisture and is non toxic. With the cover in place, the modular light fitting can be installed as normal.



> Quick Overview

BS 476 Part 23:1987 - 60 minute fire rating

Restores and maintains the fire protection performance of the ceiling

Maintains integrity - prevents fire from penetrating the ceiling void

Simple to fix above or below ceiling - in minimal time

No clips, screws, drilling or additional support required.

Sizes to fit a wide range of modular 600 x 600mm and 1200 x 600mm fittings.

Lightweight: 1.5 - 2.5 kg. Cost effective.

> Availability

TYPE	SIZES	CODE
Square	600 x 600 mm	AFLUMICOVS
Rectangular	1200 x 600 mm	AFLUMICOVL

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
10 / ASTRO LUMICOVER / AFLUMICOVS

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Trade Name ASTRO DL COVER

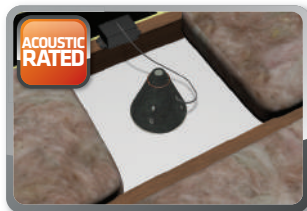


INTUMESCENT ACOUSTIC RATED DOWNLIGHTER COVER

> Product Description

Downlighters in ceilings are widely used in commercial buildings. Each ceiling is subject to fire regulations and where applicable the ceiling construction needs to be fire rated. However, once a hole has been made in the ceiling for a downlighter, the integrity of the construction and it's ability to perform in a fire can be reduced significantly. To combat this the Astro Downlighter Cover has been developed to cover maximum protection for

holes created by the introduction of a downlighter and to allow for maximum ease of fitting. 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.



> Quick Overview

Downlight Fire Hoods fire rated to BS EN 1365-2:2000 / BS476 Part 23:1987

30 or 60 minute fire rating

Covers a wide range of mains & low voltage downlighters

Provides a highly insulating stable char when exposed to fire

Prevents fire from penetrating the ceiling void and retains ceiling's fire protection integrity Acoustic Rated BS EN 150 140 : BS EN ISO 717 Ventilated to reduce heat build up

Installed in seconds. No screws, drilling or additional supported required

Can be used in suspended, plasterboard or concrete ceilings

Lightweight & flexible cover can be fitted from below or above the ceiling

> Availability

CODE	SIZE	MAX FITTING SIZE	CUTOUT DIAM. MM
AFDLCOV5	Small	150 x 150	50 - 75
AFDLCOV6	Medium	200 x 200	75 - 100
AFDLCOV7	Large	250 x 250	100 - 140
AFDLCOVXL	X-Large	300 x 170	145 - 270
AFDLCOVXXL	XX-Large	350 x 230	145 - 270

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / SIZE

FOR EXAMPLE
10/ASTRO DL COVERS/AFDLCOV5/ SMALL

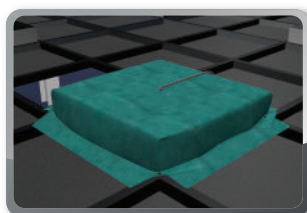
> Trade Name ASTRO LUMI CANOPY

FIRE RATED LUMINAIRE CANOPY

> Product Description

Astroflame Luminaire Canopies stop the passage of fire and smoke, for up to 60 mins, 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 Astro Lumi Canopy provides 60 minutes fire protection (in a plasterboard ceiling) by

completely containing the fire and smoke within the cover. In normal (non-fire) conditions the heat from the light fitting can dissipate through the canopy fabric. 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. Fully tested to BS Standard 476 part 20 & 23 clause 5. Astro Lumi Canopy also meets the requirements of class 0 materials.



> Quick Overview

Fire Rated Luminaire Canopy (Fire Hood) suitable for use with suspended and modular ceilings.

Tested to BS 476 Part 23: 1987, Clause 5, 60 mins.

Complies with BS 476 Class "0" Building Regs.

Complies with BS 476 Part 6 - Fire Propagation and BS 476 Part 7 - Surface Spread of Flame.

Lightweight and simple to install.

Can be fitted from above or below the ceiling. Self supporting, resistant to tear and abrasion.

> Availability

DIMENSIONS	WEIGHT	SIZE	CODE
300mm x 300mm x 150mm	0.7 kg	Small	AFLUMICAN5
600mm x 300mm x 150mm	0.9 kg	Medium	AFLUMICAN6
600mm x 600mm x 150mm	1.0 kg	Large	AFLUMICAN7
1200mm x 300mm x 150mm	1.0 kg	X Large	AFLUMICANXL
1200mm x 600mm x 150mm	1.8 kg	XX Large	AFLUMICANXXL

> How to order this product

PLEASE QUOTE
QTY / TRADENAME / PRODUCT REF / SIZE

FOR EXAMPLE
10 / ASTRO LUMICANOPY / AFLUMICAN7 / LARGE

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> Trade Name ASTRO INTU MASTIC

INTUMESCENT ACOUSTIC MASTIC



> Product Description

A one part intumescent acrylic mastic for sealing gaps around fire doors, window frames and for sealing joints, voids and irregular holes in fire rated structures. The sealant forms a char, preventing the passage of fire and smoke, when exposed to the heat of a fire. Maintains fire integrity when sealing around pipes and cables that penetrate walls. Tested in Block Wall, Concrete, Masonry and Plasterboard Partition. Suitable for flexible walls, rigid walls & floors. Tested in Linear joints up to 50mm wide. Tested in large service openings up to 490 x 150mm. Tested for sealing of linear joints in concrete floors, masonry walls and plasterboard including head of wall details. Tested around metallic pipes, cable trays, cable bunches, small, medium and large cables. Sealant

remains highly flexible after installation. In normal use the mastic will maintain the sound reduction index of a structure. The mastic has been independently tested in accordance with BS476 and EN requirements. It can provide up to 300 mins of fire resistance depending on depth/width and volumetric area - please refer to the Performance Table below. It has good unprimed adhesion to a wide variety of common building substrates, although we do recommend that a small area is tested on unusual substrates. Available in 310ml cartridges or 600ml foil packs, in white, brown or grey colours.

For additional information about classification on different gap widths and depths using various substrates please contact us or view our website.



> Quick Overview

Intumescent Mastic with Acoustic Rating.
Advanced intumescent formulation.
Fire resistance: EN 1366-3 EI 120, EN 1366-4 EI 240 and BS 476 300 mins.
Fire Classification to EN 13501-2.
Acoustic Isolation to EN 10140 to 63dB.
Air Permeability testing to EN 1026 to 600Pa - 100Pa 0.0/0.0 m³/h/m².
Mechanical Adhesion and Tensile testing to EN ISO 8039 & EN ISO 9046.
Tested with Metallic Pipes, Cables, Cable Bunches, Cable Trays and Cable Ladders. Causes no known adverse effects to plastic pipes, plastic cables, sheathing or metallic components.
Joint movement capability of +/- 20%.
Highly flexible and water resistant.
Halogen free, resists fungi and vermin.
Certifire Approval
CE marked
UL-EU, UL-C, UL-US listed
Fire Resistant & testing to ASTM-E 19965 UL2079
Vocleed 2009 EQC41.15 CAQMD
Rule 1168 ASTM D 2369D

> Availability

PRODUCT CODE	COLOUR	SIZE
AFIMW	White	310ml
AFIMB	Brown	310ml
AFIMG	Grey	310ml

PRODUCT CODE	COLOUR	SIZE
AFIMWFOIL	White	600ml Foil
AFIMBFOIL	Brown	600ml Foil
AFIMGFOIL	Grey	600ml Foil

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT CODE / SIZE	100 / ASTRO INTU MASTIC / AFIMB / 310ML

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO HPE SEALANT

HIGH PRESSURE EXPANSION SEALANT



> Product Description

Astro HPE Sealant is a high pressure exerting, graphite based, intumescent sealant that expands when exposed to fire to protect penetrations, including pipes and cables. It also maintains the integrity and insulation performance of the seal. The sealant is smoke, gas and air tight. Under fire conditions the product swells and exerts pressure to the surrounding substrates leading to closure of the penetration. The integrity and insulation is then maintained by the stability of the remaining product char. The sealant is intended for use in all types of service penetration through walls and floors where fire integrity and insulation needs to be

preserved. It has excellent non slump properties coupled with ease of application due to its water based nature. Suitable for sealing Armaflex insulation. Suitable for use in irregular applications. Tested in Lightweight Partitions (plasterboard). Insulation properties. Easy clean up with water and is odourless. Long life and can be over-painted. Causes no known deleterious effects to plastic pipes, plastic cables, sheathing or metallic components. Resists fungi and vermin.

For additional information about classification on different gap widths and depths using various substrates please contact us or view our website.

NAME	DIMENSIONS	COLOUR	CODE
Astro HPE Sealant	310ml cartridge	Grey only	AFHPESG

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
10 / ASTRO HPE SEALANT / AFHPESG

> **Trade Name** ASTRO LST MASTIC

LOW SMOKE & TOXICITY INTUMESCENT MASTIC SEALANT

> Product Description

A one part intumescent acrylic sealant designed to resist the passage of fire, by forming a char that prevents the passage of fire and smoke, while maintaining excellent low smoke and toxicity levels. Astro LST Mastic is halogen free and does not emit halogenated by-products under fire conditions. High performance 5 hour fire rating. Joint movement capability of +/- 12%. Highly flexible and water resistant it has good unprimed adhesion to a wide variety of common building substrates. Tested in Block Wall, Concrete, Masonry and Plasterboard Partition. Tested in Concrete Floors. Tested in Linear Joints up to

50mm wide. Tested in large service openings up to 490 x 150mm. Tested with Metallic Pipes, Cables, Cable Bunches, Cable Trays and Cable Ladders. Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components. In normal use it maintains the sound reduction index of a structure. Resists fungi and vermin. This sealant contains no raw materials known to have an estrogenic effect in the environment.

For additional information about classification on different gap widths and depths using various substrates please contact us or view our website.

NAME	DIMENSIONS	PACK SIZE	COLOUR	CODE
Astro LST Mastic	310ml cartridge	12 per pack	White Only	AFIMLST

> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF

FOR EXAMPLE
2 PACKS / ASTRO / AFIMLST

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com



> Quick Overview

For sealing combustible and non combustible penetrations
Sealing combustible pipes PVC, HDPE and ABS up to 125mm. (2hrs)
Sealing of cables & Telecommunication bunches
Fire Resistance EN1366-3 EI120, EN1366-4 EI120
Fire Classification to EN13501-2
Air Permeability to EN1026 - 600Pa ISO 11600.
Smoke, gas, water tight and air tight.
Can be used in openings up to 300mm x 100mm.
High Expansion Ratio - up to 20:1
Certifire Approval
CE marked
UL-EU listed



> Quick Overview

Designed for use within enclosed areas such as tunnels and London Underground stations.
Tested for passenger carrying train systems to BS6853:1999 * and LUL approved
Low smoke and toxicity levels.
Fire resistance testing to EN 1366-3 EI 120, EN 1366-4 EI 240 and BS 476 300mins.
Tested BS 6853:1999 D8.3: Smoke Ao (max)
Fire Classification to EN 13501-2.
Acoustic Isolation to EN 10140 to 48dB.
Tested BS 6853:1999 B.1: Toxicity R value
Air Permeability testing to EN 1026 to 600Pa.
Mechanical Adhesion and Tensile testing to EN ISO 8039 & EN ISO 9046.
Certifire 3rd Party Accreditation

> **Trade Name** ASTRO FR SILICONE

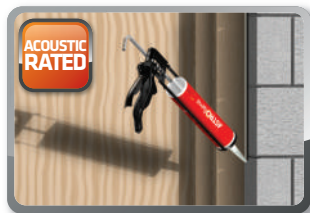
FIRE RATED SILICONE SEALANT

> Product Description

Astro Fire Rated Silicone is a high performance sealant for use in fire sealing joints and gaps up to 50mm wide. A neutral curing, odourless fire rated silicone sealant with excellent weatherability and flexibility. The sealant is primerless and offers a 4-hour fire rating to EN1366-4 and BS476 part 20 & 22 and up to 4 hours integrity with a life expectancy of over 30 years. Other features include Low Smoke and

Toxicity. Halogen free, ozone and radiation resistant. Non-slump, easy to apply and tool off. Contributes to Green Building. Joint movement capability of +/- 25%. Highly flexible and waterproof. Resists fungi and vermin.

For additional information about classification on different gap widths and depths using various substrates please contact us or view our website.



> Quick Overview

Fire resistance testing to EN 1366-4 EI 300 and BS 476 240mins.

Fire Classification to EN 13501-2.

Acoustic Isolation to EN 10140 to 38dB.

Air Permeability testing to EN 1026 to 600Pa.

Weathering testing to ISO 11431.

Fire rated up to 4 hours in both horizontal and vertical joints.

Can be used in joints up to 50mm wide.

Causes no known deleterious effects to plastic pipes, plastic cables, sheathing or metallic components.

NAME	DIMENSIONS	COLOUR	CODE
Astro FR Silicone	310ml cartridge	White	AFFRSW

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF	10 / ASTRO FR SEALANT / AFFRSW

> **Trade Name** ASTRO FR-EC ACOUSTIC FOAM

FIRE RATED ACOUSTIC FOAM



> Product Description

A one component foam which expands to fill and seal gaps. Note: This product is fire rated but is not intumescent. Fire & Acoustic Rated Economy Foam has been tested to BS476 Part 20, Class B1 Din 4102 and EN1366-4. Main Uses For Joints/gaps in compartment walls and floors, fire & acoustic sealing around lightweight partitioning, fire rated doors and service penetrations where the integrity and insulation of firewall needs to be maintained.

Prevents the transmission of smoke, seals ground pipework, insulates against noise and excess temperatures, paintable. Tested to BS476 Part 20 specified openings for up to 4 hours, dependent on gap size. NHBC Type Approval. 750ml canisters in either Nozzle or GUN Grade.

For additional information about classification on different gap widths and depths using various substrates please contact us or view our website.



> Quick Overview

Seals irregular gaps and expands to over 40 times the can's volume
Up to 4 Hour Fire Rating with integrity & insulation.

BS 476 PART 20

EN1366-4

Self curing. Forms a semi-rigid seal
NHBC Type Approval

> How to order this product

PLEASE QUOTE	FOR EXAMPLE
QUANTITY / TRADE NAME / PRODUCT REF / PRODUCT CODE	20 / ASTRO FR-EC ACOUSTIC FOAM / AFFRECFAM / 750ML

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

> **Trade Name** ASTRO ITC PAINT

INTUMESCENT PAINT FOR TIMBER

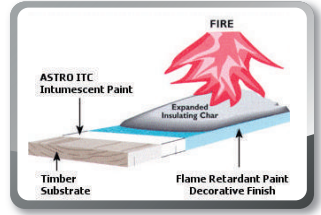
> Product Description

Intumescent paint for bare or previously painted timber and timber derivative surfaces where surface spread of flame or fire propagation need to be controlled. The paint contains intumescent compounds,

intumescent paint resin binders and high opacity pigments. When exposed to fire the paint expands to create a fire protective barrier, insulating the timber surfaces from heat and oxygen.

> Availability

ASTRO ITC Paint is available in 20m² and 80m² containers. It can be overcoated with our flame retardant paint - available in BS4800, RAL and metallic colours and a range of finishes. Please contact our Technical Team for further advice.



> Quick Overview

Class 1 & Class 0 Intumescent Paint for Timber
BS476 Part 7: Class 1 surface spread of flame.
BS476 Part 6: Fire propagation Class 0
Available in a wide range of finishes.
Brush, roller or spray application.
Meets BS-EN Class B

> **Trade Name** ASTRO IWC PAINT

INTUMESCENT PAINT FOR WALLS & CEILINGS

> Product Description

Astroflame IWC is an intumescent undercoat for application to previously painted plaster, Artex, board, brick and concrete walls and ceilings. It is used to upgrade walls and ceilings coated with multi-layered paint films to Class 0. Overcoating with Astroflame FR flame retardant paint insulates old paint films from fire, controlling the spread of flames along walls and ceilings. Inherently non-combustible surfaces such as plaster-board and brick can become a potential fire hazard due to repeated redecoration with conventional paints. In a fire thick layers of old paint tend to delaminate rapidly catching

and spreading fire around a building. In extreme cases a lethal "flash-over" fireball effect is created. The resultant risk to life and property can be greatly reduced at minimum cost using a combination of Astroflame IWC paint, an insulating "intumescent" barrier coating, and Astroflame FR flame retardant paint. When exposed to a fire Astroflame flame retardant paint releases a flame extinguishing gas which instantly protects the surface. Simultaneously heat activates Astroflame IWC intumescent coating underneath causing it to expand and create a fire protective barrier, insulating old paint films from heat and oxygen.

> Availability

Astroflame IWC Paint is available in 25m² and 100m² containers. Please contact our Technical Team for further advice.

> **Trade Name** ASTRO FR PAINT

FLAME RETARDANT PAINT

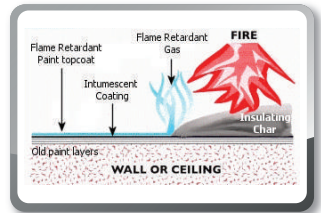
> Product Description

This paint is for use as either a decorative finish over our intumescent coatings or can be used alone as a decorative topcoat where that is deemed to provide adequate fire protection or on surfaces with a non-combustible performance currently maintained with flame retardant paints. Suitable for use direct to bare or sound

previously painted non-combustible walls and ceilings. Fire Proof Paints, also known as flame retardant paints, assist in the control of fire hazards caused by combustible materials, such as wood and existing flammable paint finishes, by releasing a flame extinguishing gas upon contact with a fire.

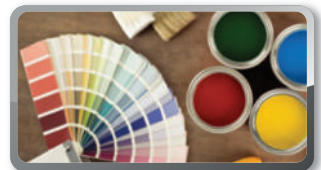
> Availability

Astroflame FR Paint is available in 2.5 litre and 5 litre containers. Please contact our Technical Team for further advice.



> Quick Overview

Intumescent coating for previously painted plaster, concrete, Artex etc.
BS476 Part 7: Class 1 surface spread of flame.
BS476 Part 6: Fire propagation.
Designated Class 0 in accordance with U.K. Building Regulations.



> Quick Overview

Flame Retardant Paint - BS476 rated.
BS476 Part 7: Class 1 surface spread of flame.
BS476 Part 6: Fire propagation.
Designated Class 0 in accordance with U.K. Building Regulations.
Gloss and Eggshell finishes.
Brush, roller or spray application.
In BS 4800, BS 381C and RAL colour ranges.

> **Trade Name** ASTRO IF VARNISH

INTUMESCENT FIRE VARNISH

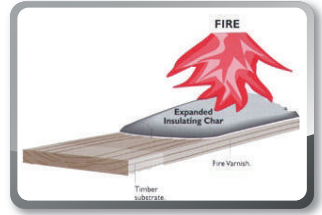
> Product Description

When exposed to a fire Astroflame Intumescent Fire Varnish expands to create a fire protective barrier, insulating the timber surfaces from heat and oxygen. Astroflame Intumescent Fire Varnish is an exceptionally clear lacquer for decorative fire protection of prepared timber and timber derivative surfaces. Overcoated with ASTRO FVO, its special formula provides a hard, durable finish suitable for panelling, boarding, furniture etc. For internal and external use on bare or previously varnished surfaces. Its clear finish enhances the natural beauty and fire protects new and previously varnished internal timber

> Availability

Astroflame Fire Varnish ASTRO IFV base coat is available in 20 meter square packs. The sealer coat ASTRO FVO sealer coat is available in gloss, satin and matt in 20 and 80 meter square packs.

surfaces. Astroflame Intumescent Fire Varnish has good adhesion and can be applied over existing varnished surfaces. Preparation requires through abrading with wet or dry abrasive paper to provide a key. Wash down with warm detergent solution and rinse with clean warm water. Allow to dry. A sealer coat/overcoat is also available in Gloss, Satin or Matt finishes. For humid areas apply Astroflame Fire Varnish Gloss Overcoat (ASTRO FVO) over the Astroflame Fire Varnish (ASTRO IFV). Please contact our Technical Team for further advice.



> Quick Overview

Clear Intumescent Varnish

BS476 Part 7: Class 1 surface spread of flame.
BS476 Part 6: Fire propagation.

Designated Class 0 in accordance with U.K. Building Regulations.

Internal or External Use. Water based

Brush, roller or spray application.

Sealer coat available in Gloss, Satin and Matt finishes

> **Trade Name** ASTRO ISS PAINT

INTUMESCENT PAINT FOR STEEL & CAST IRON

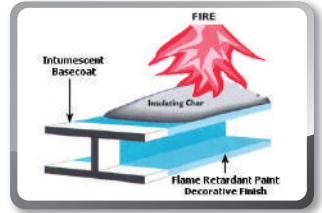
> Product Description

ASTRO ISS Paint is an intumescent coating for steel, a thin decorative fireproof paint system providing fire resistance to structural steel and cast iron. Heat from a fire triggers a catalytic reaction causing intumescence (expansion) of

an insulating char layer up to 50 times the paint film thickness. This char keeps the steel below critical temperature to maintain the structural stability of the building. Fire resistance of 1/2 hour and 1hour can be achieved with a single application of ASTRO ISS Paint.

> Availability

A range of hard, high quality, weather resistant decorative finishes matches the decor, architectural or historic features of a building while helping to make it a safer structure. Available in BS4800, RAL and metallic colours and a non decorative finish for unexposed areas. Eggshell - BS4800 + RAL. One-coat gloss - BS4800 + RAL. Metallic - Steel, gunmetal, rust, silver, gold. Non decorative - N/A - For dry, hidden areas only. ASTRO ISS Paint is available in 5 kilo and 20 kilo containers ASTRO FR PAINT (flame retardant topcoat finish) is available in 2.5 and 5 Litre containers. Please contact our Technical Team for further advice.



> Quick Overview

Intumescent Paint for structural steel and cast iron

Conforms to BS476 Part 21: - Fire resistance for load bearing elements of structural steel

Rated for 30 or 60 minutes.

Available in wide range of finishes.

Brush, roller or airless spray application

> **Trade Name** ASTRO HBP PRIMER

HIGH BUILD PRIMER

> Product Description

A High Build Quick Drying corrosion resistant metal primer for structural steel and cast iron. Contains high durability resin binders, light fast pigments and a high concentration of zinc phosphate. Compatible with ASTRO ISS Paint and most other intumescent paint systems, epoxy and conventional paints.

Suitable for application in Steel Fabricator's shops or on site. Will protect exposed structural steel during construction as well as protecting internal steelwork thereafter. May be overcoated with our intumescent paint systems as well as epoxy, conventional gloss, eggshell, acrylic and vinyl paint finishes.

> Availability

ASTRO HBP Primer is available in 2.5 litre and 5 litre containers. Please contact our Technical Team for further advice.

> Quick Overview

Compatible with our intumescent paint

High Build & Quick Drying

Red, White or Grey

Solvent or water based options

Brush, Roller or Spray

Suitable as a general use metal primer

For the enquiry forms for these products please scan the QRcodes on p 61

> **Trade Name** ASTRO ANTI-GRAFFITI PAINT

ANTI-GRAFFITI PAINT

> Product Description

A one-pack external coating designed to give effective protection against both graffiti and fly-poster attack. Astro Anti Graffiti Paint is permanent, not sacrificial system, allowing for repeated easy removal of any graffiti. Suitable for many surfaces, gives same day protection, repeat graffiti washes off with water. Available in matt or gloss finish and has been specifically designed to minimise any alteration to the appearance of the protected surface. We supply a Non-Darkening Sealer for use where avoiding a surface colour change is

essential. This anti graffiti coating is suitable for a wide variety of surfaces. The matt version is particularly effective on the normally difficult to protect substrates such as rough brick or textured finishes. The system can be used on concrete, render, masonry, porous stone, timber and previously painted surfaces, it should not however be used over Pliolite based products. If in doubt about the suitability of Astro Anti Graffiti Paint on a particular surface we recommend a small trial application be carried out - contact Astroflame for advice.



> Quick Overview

Non-sacrificial coating allows repeated easy removal of graffiti.

Wash off graffiti using warm water and mild detergents

Anti Graffiti Paint is designed to minimise any alteration to the appearance of the protected surface.

One-pack coating protects against fly-posters and marker pen 'tagging'.

Can be used on most rough or smooth masonry surfaces.

Short drying and re-coating times.

> Availability

Packing : Single tins of 5 or 20 litre

PRODUCT REF	TYPE	SIZE
AAGPM5	MATT	5 LITRE
AAGPM20	MATT	20 LITRE
AAGPG5	GLOSS	5 LITRE
AAGPG20	GLOSS	20 LITRE

> How to order this product

PLEASE QUOTE
QUANTITY/DESCRIPTION / PRODUCT CODE / FINISH / SIZE

FOR EXAMPLE
3 NO / ASTRO ANTI GRAFFITI PAINT / AAGPM5 / MATT / 5 LITRE



TURN TO PAGE 60 FOR OUR RANGE OF FIRE PROOF PAINTS OR VIEW WWW.ASTROFLAME.COM AND CLICK FIRE PROOF PAINTS.

FOR FIRE PROOF PAINTS THINK...

ASTROFLAME
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS



TIMBER & WALL ENQUIRY FORM

Scan the QR code with your phone or tablet to link directly.



STEEL PAINT ENQUIRY FORM

Scan the QR code with your phone or tablet to link directly.

SASH WINDOW & PATIO DOOR SEALS

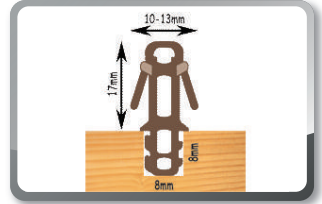
Replacement and retrofit sash window seals and patio door seals to weatherproof, draughtproof, conserve energy and reduce intrusive noise.

SASH WINDOW PARTING BEAD SEALS

> Product Description

This unique design with a single hinge and 2 independently acting flippers will provide an excellent solution. It can be used as a direct fit in an 8mm groove or in conjunction with our 10x10 channel.

A = Groove size: 8mm
B = Groove size: 8mm (min)
C = Height: 17mm
D = Suits gaps: 10mm - 13mm
3m lengths
To order, quote Ref No. White - ADPB01WX Brown - ADPB02BX

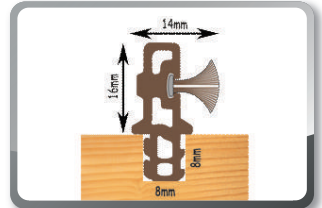


PARTING BEAD BRUSH SEAL

> Product Description

This solid design of parting bead provide an excellent durable bead that can be used as a direct fit in an 8mm groove or in conjunction with our 10x10 channel. Available with or without brush fin pile. Brush pile 8.5mm. Suits gaps 10-13mm.

A = Groove size: 8mm
B = Groove size: 8mm (min)
C = Height: 17mm
D = Width: 14mm including brush
3m lengths
To order, quote Ref No. White - ADPBBW Brown - ADPBBB

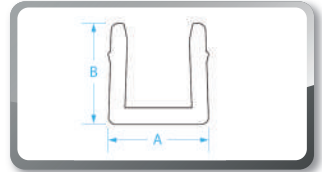


PARTING BEAD CARRIER

> Product Description

10mm x 10mm external channel for use with 8mm direct fit parting beads. Will take 8mm. Direct Fit or Double Flipper Parting Bead.

A = Groove size: 10mm
B = Groove size: 10mm
3m lengths
To order, quote Ref No. White - ADPB01WXC Brown - ADPB02BXC



IMPLY

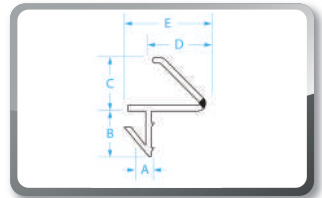
> Product Description

Imply is a spring seal for either surface mounting or inset. This product is often used as a mid-rail seal.

A = Kerf size: 2.5 to 3mm

B = Kerf size: 6mm (min)
C = Suits gap 2 :6.5mm
D = Flipper length: 6.5mm
E = Base length: 9.5mm

2.2m lengths. To order, quote Ref No. White - ADIM02W Brown - ADIM02B



ASTRO CARRIPILE CP SEAL

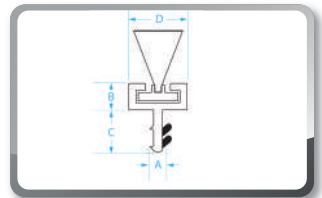
Used as an alternative to Imply. Ideal for top, bottom and meeting rails of patio doors etc. PVCu carrier and polypropylene fin pile for added weather protection.

CP2

> Product Description

Centre leg carrier for mechanical fitting into slot and can be used in conjunction with 4.8mm base pile. Brush pile 6mm: suits gaps 2 - 3.5mm. Brush pile 8.5mm: suits gaps 3.5 - 6.0mm.

A = Kerf size: 2.7mm
B = Kerf size: 3mm
C = Groove size: 6mm
D = Groove size: 8mm
2.2m lengths. To order, quote Ref No. White - ADCP2W Brown - ADCP2B. State length of brush required.



> Order these products

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

ASTRO CARRIPILE CP SEAL SELF ADHESIVE

For top, bottom and meeting rails of patio doors etc. PVCu carrier and polypropylene fin pile for added weather protection. Self-adhesive backing for speed and ease of fitting.

CP3

> Product Description

Flat based carrier supplied with self adhesive and can be used in conjunction with 4.8mm base pile.

A = Groove size: 8mm

B = Groove size: 3.5mm

Brush pile 6mm: suits gaps 2 - 3.5mm.

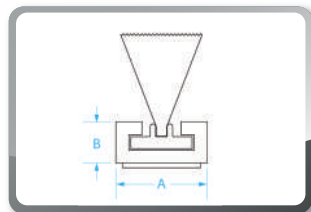
Brush pile 8.5mm: suits gaps 3.5 - 6.0mm.

2.2m lengths

To order, quote Ref No.

White - ADCP3W Brown - ADCP3B.

State length of brush required.



DOOR & GLAZING SEALS

Easy fit compression seals for draught and weather sealing doors and windows. Suitable for all types of doors and windows and void filling.

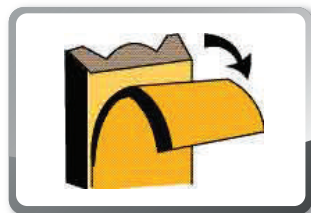
E PROFILE DOOR/GLAZING SEAL

> Product Description

Black, Brown or White 9mm x 4mm 100M coils only.

To order, quote Ref No.

White - ADEC94100W Brown - ADEC94100B Black - ADEC94100BLK



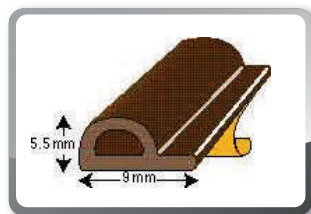
P PROFILE DOOR/GLAZING SEAL

> Product Description

Black, Brown or White 9mm x 5.5mm 100M coils only.

To order, quote Ref No.

White - ADPP9100W Brown - ADPP9100B Black - ADPP9100BLK



BUBBLESEAL 6MM DOOR GLAZING SEAL

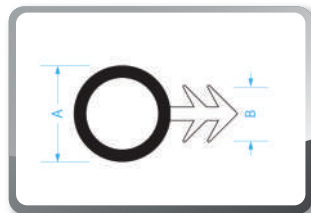
> Product Description

6mm Bubble Seals offer high resilience, low permanent set, soft feel but good resistance to abrasion and provides an excellent seal for various applications.

A = 6.0mm B = 3.0mm Kerf Available Colours: Brown, Black, White & Light Oak.

Supplied on 100m coils. To order, quote Ref No. White - ADTBX6W

Brown - ADTBX6B Black - ADTBX6BLK Light Oak - ADTBX6LO



> Order these products

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

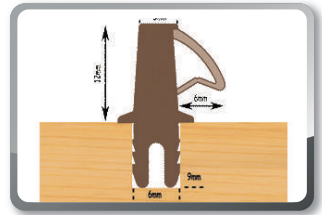
DOOR BOTTOM SEALS

ASTRO WEATHERSTOP WS SEAL

> Product Description

Astro Weatherbar offers an improved weather performance over galvanised and plain plastic alternatives in the market, and with a built in flexible flipper will offer excellent long last protection. Its robust design will stand the extremes of weather conditions and general foot traffic.

A = Groove size: 6 - 6.3mm B = Groove size: 8mm (min) C = Height: 12mm D = 5mm
3m lengths. To order, quote Ref No. Brown - ADWS04BX

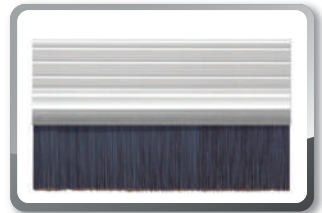


ASTRO H CARRIER

> Product Description

An Aluminium carrier in Mill or Gold finish containing a Black Brush pile in various lengths. Carrier Colour Mill (M) or Gold (G) Lengths of Carrier 914mm or 2134mm Brush Length 22mm, 30mm, 40mm or 50mm.

To order, quote Ref No.
ADHCAR/M or G/914 or 2134/Brush Length



> Trade Name ASTRO UNDER DOOR DRAUGHT EXCLUDER

UNDER DOOR DRAUGHT EXCLUDER

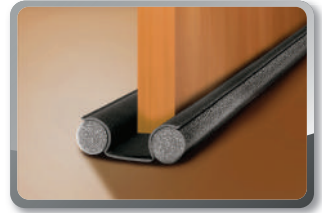
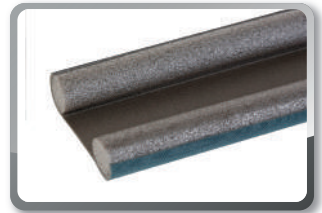
> Product Description

An under door draught excluder that can be easily pushed under doors on smooth surfaces like parquet, wooden floors, PVC and laminates. They can be easily shortened in size to fit your door exactly.

- Stops draughts, dust, cold, warmth and noise
- For gaps of 22mm

- Simple to mount without tools
- Removable without trace
- No adhesive
- For indoor and outdoor use
- Can be cut to size
- 1 colour: dark brown/grey

Seal Length: 950mm Seal Width: 100mm
Order code: ADUdde



> How to order this product

PLEASE QUOTE
QUANTITY / TRADE NAME / PRODUCT REF / COLOUR

FOR EXAMPLE
10 / ASTRO UNDER DOOR DRAFT EXCLUDER/ ADUdde

Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com



SCHLEGEL AQUAMAC DRAUGHT PROOFING FOR TIMBER DOORS & WINDOWS

> The Aquamac Range

Schlegel - AQUAMAC Weatherseal for timber windows and doors. The only non-rot weatherseal specifically for timber windows and doors AQUAMAC weatherseal has been developed in consultation with Schlegel customers to offer the widest range of seals possible for timber windows and doors.

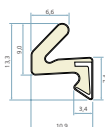
The unique design has made Aquamac impervious to paint and stain, while still providing some of the best energy saving performance characteristics currently available.

B = Brown W = White BLK = Black

> Aquamac Features

- Backed by a LIFETIME GUARANTEE.
- Conforms to BS644/BBA approved.
- Excellent memory - retains its original shape for a consistent weatherseal.
- Exceptional performance maintained over a wide temperature range.
- Immune to the effects of UV light & ozone.
- IMPERVIOUS TO PAINT AND STAIN
- Water repellent foam is unaffected by rot, mould or mildew.

SCHLEGEL REBATED RANGE



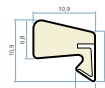
AM21/QL3009

Available only as a coil in 100 metre or 250 metre lengths. ADAM21/Colour



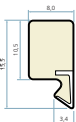
AM4846/QL3037

Available only as a coil in 100 metre or 200 metre lengths ADAM4846/Colour



AM109/QL3011

Available only as a coil in 100 metre or 250 metre lengths ADAM109/Colour



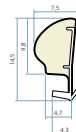
AM33/QL3012

Available only as a coil in 100 metre or 200 metre lengths ADAM33/Colour



AM63/QL3005

Available only as a coil in 100 metre or 300 metre lengths ADAM63/Colour



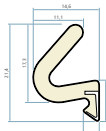
AM120/QL3076

Available only as a coil in 100 metre or 250 metre lengths ADAM120/Colour



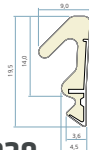
AM48/QL3013

Available only as a coil in 100 metre or 350 metre lengths ADAM48/Colour



AM89/QL3006

Available only in 2100mm lengths ADAM89/Colour



AM124/QL3020

Available only as a coil in 100 metre or 125 metre lengths ADAM124/Colour

> How to order this product

PLEASE QUOTE
ADAM/TYPE/COLOUR/COIL

FOR EXAMPLE
ADAM21/W/100M OR ADAM63/BLK

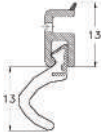
Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com

SCHLEGEL RETRO FIT RANGE

> Schlegel Features

■ Q-Lon Seal Performance
not affected by painting over

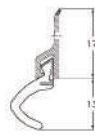
■ Excellent Memory
■ Low Friction
■ 10 Year Life Span



QLON RETRO 21B

Exterior / Interior door and window perimeter seal.

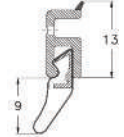
ADAMRET21BB - Brown PVC-u Box Carrier with a Brown Q-Lon Seal 2050mm
ADAMRET21BW - White PVC-u Box Carrier with a White Q-Lon Seal 2050mm



QLON RETRO 21 L

Exterior / Interior door and window perimeter seal.

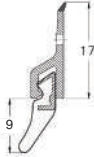
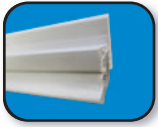
ADAMRET21LB Brown PVC-u H Carrier with a Brown Q-Lon Seal 2050mm
ADAMRET21LW White PVC-u H Carrier with a White Q-Lon Seal 2050mm



Q-LON SBS

Exterior / Interior door and window perimeter seal.

ADAMQLSBSB Brown PVC-u Box Carrier with a Brown Q-Lon Seal 2050mm
ADAMQLSBSW White PVC-u Box Carrier with a White Q-Lon Seal 2050mm



Q-LON PS

Exterior / Interior door and window perimeter seal.

ADAMQLPSB Brown PVC-u H Carrier with a Brown Q-Lon Seal 2050mm
ADAMQLPSW White PVC-u H Carrier with a White Q-Lon Seal 2050mm



SHARKSEAL SBS

Interior door and window perimeter seal, ideal for sliding applications.

ADAMSBSB Brown PVC-u Box Carrier with a Brown Pile Seal 2050mm
ADAMSBSW White PVC-u Box Carrier with a White Pile Seal 2050mm



SHARKSEAL PS

Interior door and window perimeter seal, ideal for sliding applications.

ADAMPSB Brown PVC-u H Carrier with a Brown Pile Seal 2050mm
ADAMPSW White PVC-u H Carrier with a White Pile Seal 2050mm



Q-LON FS

Meeting rails of timber sliding sash meeting stile of double doors

ADAMQLFSB Brown PVC Carrier with a Brown Q-Lon Seal
ADAMQLFSW White PVC Carrier with a White Q-Lon Seal











> Order these products

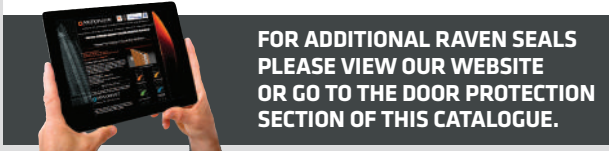
Online: www.astroflame.com phone: 0800 023 2482 or email sales@astroflame.com



Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light. The following is a selection of the Raven Smoke Rated Seals available from the comprehensive range shown on www.astrodraft.com. All seals are only available in an anodised satin clear finish.

L = Light Duty seals include those typically used in residential applications or light traffic areas. **M = Medium Duty seals** are used in commercial applications such as office spaces, shops, commercial accommodation or medium traffic areas. **H = Heavy Duty seals** are designed for areas with a high level of use such as public hospitals, airports, factories, shopping centres or areas with a large through flow of pedestrian and wheeled traffic.

-  Acoustic
-  Ambient (cold) Smoke up to 70°C
-  Medium Temp. Smoke 200°C for 30 minutes (Smoke Doors)
-  Fire & Hot Smoke Fully developed fires exceeding 600°C and hot smoke beyond 200°C (Intumescent Fire Seals)
-  Insects and Vermin
-  Weather
-  Energy, Draughts & Dust
-  Fire (approved)
-  Access & Mobility
-  Light



ACOUSTIC DOOR BOTTOM SEALS - AUTOMATIC

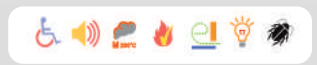
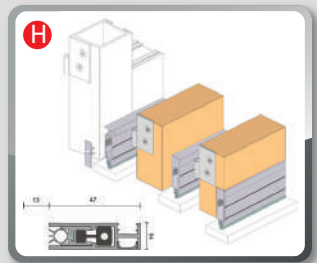
RP35Si

> Product Description

The RP35Si is a surface mounted version of the RP8Si designed for easy installation and post door hinging fitting. A medium temperature automatic smoke/acoustic door bottom seal with an extruded silicon sealing component. RP35Si is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres and is operated automatically by pressure against the door jamb. Location: Single and double, butt hinged doors. Min/Max Gap: 3mm/13mm. Seal Sizes (mm): 1220, 1070, 920, 820, 600, 380. Seals cut back to exact size, 295mm

min. Standard Finish: Anodised Satin Clear. Durability tested to over 1,000,000 cycles without failure.

Approvals
 Acoustic: UK/EU: Conforms to Approved Document E. Tested to BS EN ISO 140.3, BS EN ISO 7171, BS 2750, BS 5821.
 Fire & Smoke: AUS/NZ: Conforms to BCA Spec. C3.4. Tested to AS 1530.4, AS/NZS 1905.1 & AS/NZS 1530.7. UK/EU: Conforms to Approved Document B. Tested to ISO CD 5925-1 (similar to BS EN 1634.1, BS 476 Part 20 & 22, Sec. 31.1).

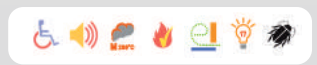
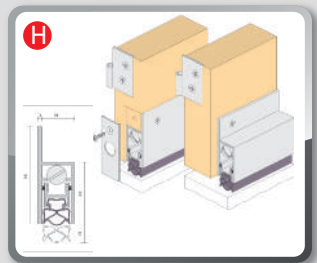


RP38Si

> Product Description

A medium temperature smoke door bottom seal with an extruded silicon sealing component. The RP38Si is a heavy duty automatic seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. The seal is operated automatically by pressure against the door jamb on the adjusting screw. It seals when the door closes, retracts automatically when the door is opened and is self levelling. RP38Si can be face mounted or semi-morticed. It is adjustable for left and right handed operation.

When semi morticing RP38Si into double doors that require rebated meeting stiles, specify 50mm minimum door thickness. With plain meeting stiles, specify 40mm minimum thickness. Location: Single and double butt hinged door bottoms. Min/Max Gap: Up to 13mm. Seal Sizes (mm): 1500, 1220, 1070, 920, 610, 450. Seals cut back to exact size, 300mm min. Longer lengths to special order. Standard Finish: Anodised Satin Clear Durability tested to over 1,000,000 cycles without failure.



> Order these products

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

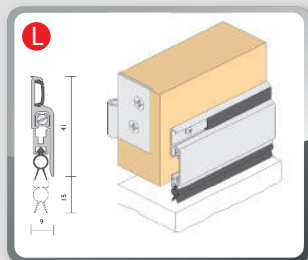
DOOR BOTTOM SEALS

RP60 (RESIDENTIAL)

> Product Description

A face mounted 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. The RP60 is operated automatically by pressure against the door jamb on its adjusting screw, and it incorporates concealed fixings.

Location: Single or double butt hinged doors. Min/Max Gap: 3mm/15mm. Seal Sizes: 915mm only between door stops. Unit cuts back to 450mm min. Standard Finish: Anodised Satin Clear. Durability tested to over 500,000 cycles without failure.

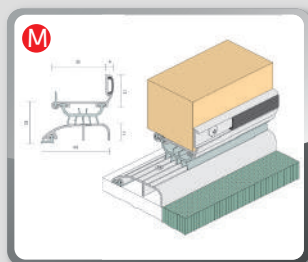


RP4B THRESHOLD SEAL

> Product Description

Threshold Seal to be used in conjunction with RP4T. Location: Door bottom and sill of single and double butt hinged doors. Min/Max Gap: 23mm/25mm. Seal Sizes: Available in 1000mm stock

lengths. Maximum Length: 3000mm. Standard Finish: Anodised Satin Clear. Threshold Bar only, image shows RP4B and RP4T.

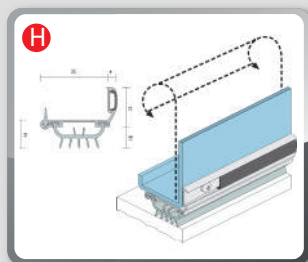


RP4T DOOR BOTTOM SEAL

> Product Description

A storm proof door bottom seal where maximum weather protection is required. The multi blade seal defies rain infiltration. RP4T can be fitted to the square cut bottom of a door without removing the door, provided there is a gap of 25mm under the door before the seal is installed. It is quick and easy to fit to both door and sill. The sealing section is slotted for adjustment.

Location: Roll-up doors. Single and double butt hinged doors (if used with threshold plate) or bulkhead applications. Min/Max Gap: User determined. Seal Sizes: Available in 1000mm stock lengths. Maximum Length: 3000mm. Standard Finish: Anodised Satin Clear.



> Order these products

Online: www.astroflame.com phone: **0800 023 2482** or email sales@astroflame.com

DOOR BOTTOM SEALS

RP26

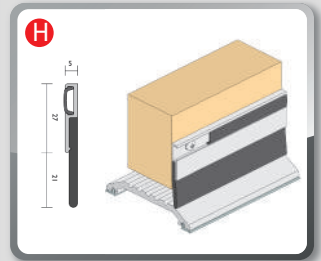
> Product Description

A heavy duty EPDM sweep seal for door bottoms of outward opening doors. It has slotted holes for the adjustment of its concealed fixings, behind a push-in cover strip.

Location: Door bottoms, single or double outward opening, butt hinged or tilt-up doors can be used as an astragal seal.

Min/Max Gap: 5/20mm (user determined).
Seal Sizes Available: in 1000mm or 2250mm stock lengths.

Maximum Length: 3000mm.
Standard Finish: Anodised satin clear
Used in Conjunction: Raven threshold plates such as RP19.

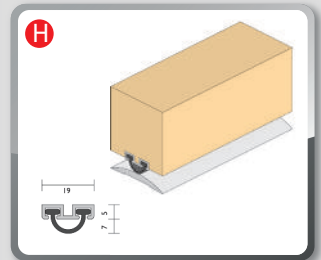


RP30

> Product Description

A concealed sweep type seal which is fitted in a morticed groove that has been cut into the bottom of a door. The groove should be sufficiently deep to allow packing for adjustment.

Location: Door bottoms, meeting stiles, bumper strip. Min/Max Gap: 3/8mm (user determined). Seal Sizes: Available in 1000mm or 2250mm stock lengths. Maximum Length: 3000mm. Standard Finish: Anodised Satin Clear. Used in Conjunction: RP13, RP82 (essential).

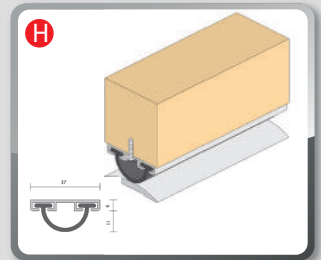


RP31

> Product Description

A heavy duty sweep type seal, similar to RP30 but with greater compression, which is fitted to the bottom of a door with concealed fasteners. The design of the seal does not allow adjustment so it should not be installed in situations where adjustability is required.

Location: Door bottoms, meeting stiles, bumper strip. Min/Max Gap: User determined. Seal Sizes: Available in 1000mm or 2250mm stock lengths. Maximum Length: 3000mm. Standard Finish: Anodised Satin Clear. Used in Conjunction: RP82 (essential).



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DOOR FRAME OR PERIMETER SEALS

Seals designed for the gap between the door and the frame (up and down the jamb and across the head of the door) are termed "door frame or perimeter seals". These are generally compression seals, some are mounted on the door stop or directly onto a plain frame of the door, thereby providing a door stop seal. Some seals can be fitted to the door or neatly rebated into the frame itself.

RP120 & RP150 DELTA SEALS™

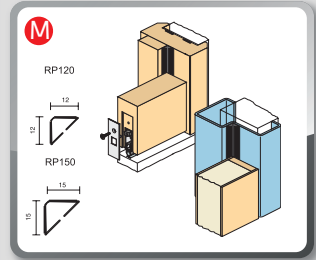
> Product Description

RP120 and RP150 are co-extruded PVC, acoustic and smoke seals. Discreetly located in the protected corners of rebated timber or steel door frames. RP120 and RP150 are suitable for new and retrofit applications.

Location: Around rebated frames of single or double butt hinged doors and windows. Min/Max Gap: 3mm to 5.5mm.

Seal Sizes: Single or double doorsets. Standard Finish: Black, Brown & White. (PVC) Fixing Method: Self adhesive. Note: Contact surface must be clean, smooth and if painted, well cured. Seal Material: Rigid and flexible flame retardant PVC

Used in Conjunction: Raven door bottom seals, threshold plates and astragal seals.



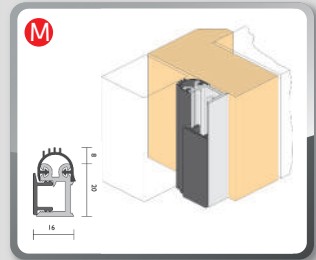
RP10SI

> Product Description

A neat compact door stop frame seal which has proven to be an effective acoustic and medium temperature smoke seal. It is quick and easy to install onto the door frame as a door stop. It is adjustable, using concealed fixing slots for a precision fit. The multi blade seal considerably reduces the leakage of noise, smoke and air movement. The minimum deflection of the sealing fins creates maximum efficiency, offering a large tolerance for door movement over time. The seal can be mitred or butt

jointed to give an integrated aesthetic appearance.

Location: Head and jambs of single or double butt hinged doors. Min/Max Gap: 0mm/10mm. Seal Sizes: Single or double standard or long doorsets. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door bottom seals, astragals and thresholds. Note: If fixed to existing rebated frames of single doors, specify a long backset door latch.

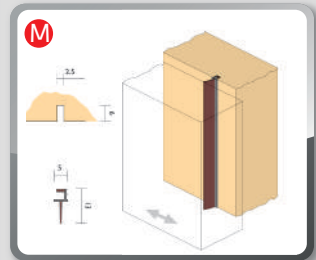


RP73

> Product Description

An extremely flexible coextruded PVC sweep seal that fits into a saw kerf groove cut into the frame or door. It holds tight radii and compound curves when bent around a frame. It resists UV, ozone, mildew and colour change.

Location: Around sliding doors, door frames and pivot doors. Min/Max Gap: 6mm to 8mm. Seal Sizes: 1000mm increments to 200 metre (coil). Note: For noise, specify two rows of seal.



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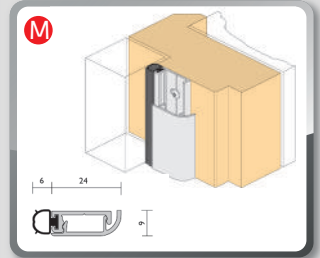
DOOR FRAME OR PERIMETER SEALS

RP93SI

> Product Description

A weather, smoke and acoustic seal suitable for plain or rebated frames. RP93SI is quick and easy to install (mitre joint only), to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and, with a tamper proof cover strip, provides a fit and forget feature. Location: Head and jambs of single or double butt hinged doors.

Min/Max Gap: 0mm/ 6mm.
Seal Sizes: Single or double doorsets.
Standard Finish: Cover strip only.
Anodised satin clear. Used in Conjunction: RP8SI, RP38SI, RP99SI, RP70SI. Note: If fixing to rebated frames of single doors specify a long backset door latch. The tamper proof aluminium coverstrip is not recommended for removal once installed, refer RP78SI or RP10SI for this feature.

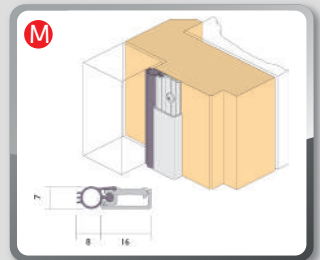


RP94SI

> Product Description

A weather, smoke and acoustic seal, suitable for rebated frames. RP94SI is quick and easy to install, either mitred or butt jointed to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and with a tamper proof cover strip, provides a fit and forget feature.

Location: Head and jambs of single or double butt hinged doors. Min/Max Gap: 0mm/6mm. Seal Sizes: Single or double doorsets. Standard Finish: Cover strip only. Anodised satin clear. Used in Conjunction: Raven door bottom seals, astragal and threshold plates. Note: The tamper proof aluminium coverstrip is not recommended for removal once installed, refer RP78SI for this feature.



ASTRAGAL/MEETING STILE SEALS

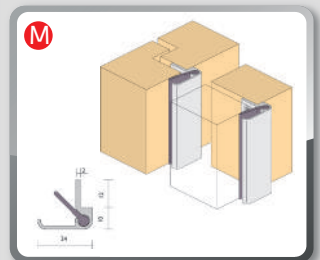
RP16SI

> Product Description

A medium temperature smoke and acoustic astragal seal for use with plain or rebated meeting stiles on double doors. The aluminium trim cleanly conceals the sealing portion of the seal. If necessary the leg of the aluminium can be cut out (checked) to allow for any locks and latches. It is used where only one door leaf

is active. The seal also improves security and when two are fitted (one on each leaf), noise infiltration is greatly reduced.

Location: Meeting stiles of double doors, butt hinged. Min/Max Gap: 2.5mm/8mm. Seal Sizes: 2250mm or 2500mm stock sizes. Standard Finish: Anodised Satin Clear.



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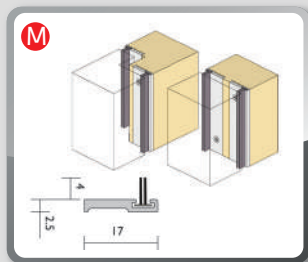
RP71SI

> Product Description

A smoke and acoustic astragal seal designed for plain or rebated meeting stiles of timber double doors where a centre latch bolt may be required, or where both doors are active. The sealing portion is made from silicon rubber which are effective in the sealing of noise and weather. Two seals are installed onto one door stile, allowing space for a latch between the seals. The legs of the seals can be cut out (checked) to accommodate

the latch bolt front plate, thereby providing a continuous seal (minimum door thickness subject to centre latch and dimensions of morticed door bottom seals).

Location: Double butt hinged and centre pivot double acting doors. Min/Max Gap: 3mm to 4mm. Seal Sizes: 2250 or 2500mm stock sizes. Standard Finish: Anodised Satin Clear.



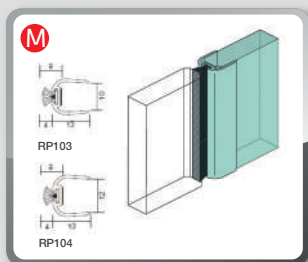
GLASS DOOR SEALS

RP103 & RP104

> Product Description

Clear polycarbonate astragal seals for 10 or 12mm thick frameless glass doors. Woven pile sealing strip is combined with a weather fin.

Location: Double butt hinged and centre pivot double acting doors. Min/Max Gap: 8mm. Seal Sizes: 3000mm stock sizes. Standard Finish: Clear. Seal Sizes: RP103 - 10mm RP104 - 12mm



RP79/RP88

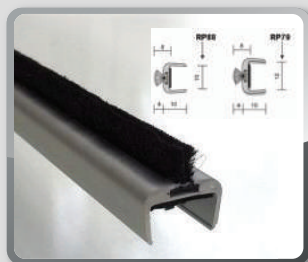
> Product Description

Glass door draught excluder strips by Raven. Uses an Anodised Aluminium (15 microns) carrier. This glass door seal has a built in hot smoke seal which is undergoing UK/EU certification so we are selling this product purely as a draught seal until UK fire certification is granted. The Raven RP88 seal is for 10mm thick glass doors.

The Raven RP79 seal is for 12mm thick glass doors. Weatherpile is a black, polypropylene woven pile combined with a weather fin.

Seal holder is all Aluminium construction with a Satin Clear (Silver) finish. Both types, RP79 and RP88, are for pre-installation gaps of 8mm to 9mm. Both types sold in 3 metre lengths. Fixing is with double sided adhesive tape (pre-fitted in the carrier). Contact surfaces must be clean, smooth and, if painted, well cured.

To seal the bottom of the door we suggest the Raven RP74 or RP75 Self Adhesive Brush Seals. Seal Sizes: RP79 - 12mm RP88 - 10mm



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THRESHOLD PLATES

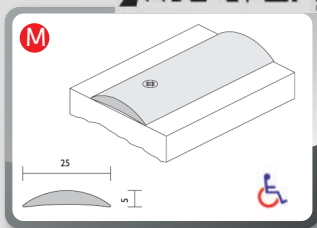


RP13

> Product Description

A low profile threshold plate which is often used in conjunction with door bottom seals to prevent rain infiltration.

Location: Door sills. Sizes: 1000 or 2000mm stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door bottom seals.

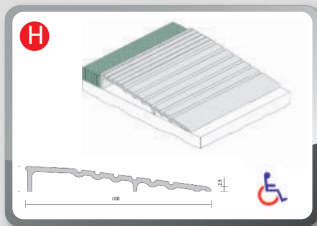


RP77

> Product Description

A heavy duty door threshold. The ribbed extrusions can be positioned back to back to provide a two way threshold ramp. Location: Door sill or used to provide a ramp frame for wheelchair access and

internal door mats. Sizes: 1000 or 2250mm stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door bottom seals.

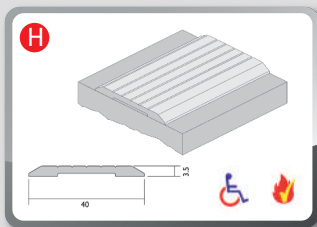


RP95

> Product Description

A low profile threshold plate used in conjunction with door bottom seals to prevent rain, draught, smoke and noise infiltration.

Location: Door sills. Sizes: 1000mm or 2000mm stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door bottom seals.

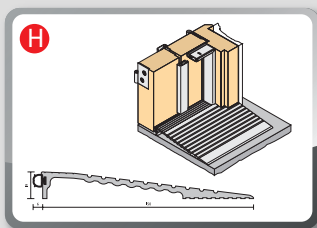


RP97SI

> Product Description

A threshold plate seal particularly suited for outward opening butt hinged plant room and emergency exit doors. When used in conjunction with RP93Si and RP16Si an excellent smoke and acoustic system is achieved. For acoustic applications the void under the RP97Si should be filled with sound foam or other suitable material.

Location: Door sills abutting outward opening butt hinged plant room or emergency exit doors. Min/Max Gap: Compression of seal 0mm/2mm. Size: 1000mm stock lengths. Standard Finish: Anodised Satin Clear. Note: Specify order length wider than door opening to provide a neat detail at door frame (see illustration).

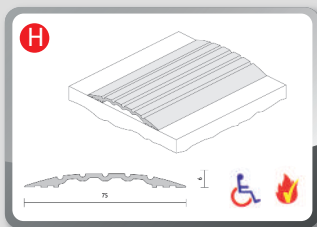


RP115

> Product Description

A low profile threshold plate used in conjunction with Raven door bottom seals to prevent rain, draught, smoke and noise infiltration.

Location: Door sills. Sizes: 1000 or 2250mm stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door bottom seals.



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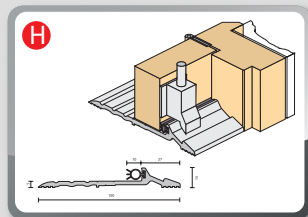
THRESHOLD PLATES

RP117SI

> Product Description

The RP117Si is a weather, smoke and acoustic threshold plate seal suited to outward opening butt hinged doors. It is ideal for use with a panic type exit device (by others). For acoustic applications the void under the threshold should be filled with sound foam or other suitable

material (by others). Location: Door sills. (Butt hinges recommended). Sizes: 1000 or 2000 stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven door frame seals, RP118Si and suitable panic type exit devices.



DISABLED ACCESS RAMP

> Product Description

Threshold Ramps to improve wheelchair access. Quick and easy permanent installation using construction adhesives. Can also be used as a portable ramp. Ramp gradient is 1:8. Moulded from slip resistant recycled rubber. Maintenance free. Available in two sizes. Access Ramp Model ADRPA025 dimensions: 1010mm

wide x 200mm deep x 25mm high. Weight approx 3.5kg. Access Ramp Model ADRPA050 dimensions: 1140mm wide x 400mm deep x 50mm high. Weight approx 12.5kg. Either ramp model can be cut to reduce the height to exact requirements (see images). The larger model is built for very heavy duty.

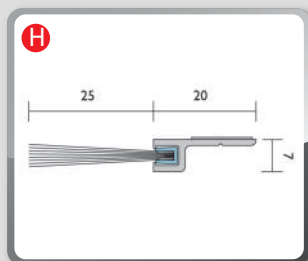


RP15

> Product Description

A nylon brush strip seal that is ideal for installations where larger gaps are encountered. Location: Door bottoms, single, double or sliding. Min/Max Gap: Up to 25mm (user determined).

Seal Sizes: 1000 or 2250 stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Raven threshold plates.



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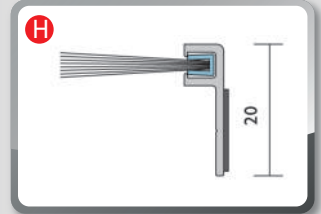
BRUSH STRIP SEALS

RP49

> Product Description

A versatile nylon brush seal with a 90° angle aluminium carrier. Location: Door frame, door stiles of sliding doors

(user determined). Seal Sizes: 1000 or 2250 stock lengths. Standard Finish: Anodised Satin Clear.

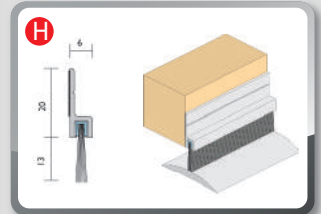


RP74

> Product Description

A nylon brush seal with a self adhesive aluminium carrier. Mounted to the inside or outside door head and bottom face, RP74 provides a very neat sealing solution with the advantage of final on site installation which overcomes

unforeseen floor or sill variation. Location: Door bottoms, single, double or sliding and double acting. Min/Max Gap: Up to 13mm (user determined). Seal Sizes: 1000 or 2250 stock lengths. Used in Conjunction: Raven threshold plates.

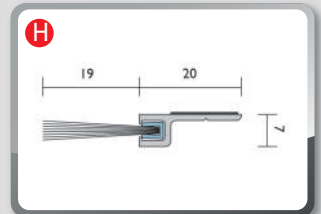


RP75

> Product Description

As RP74 above but with a 19mm brush. Location: Door bottoms, single, double or sliding and double acting. Stiles on tilt up doors. Min/Max Gap: Up to 19mm (user

determined). Seal Sizes: 1000 or 2250 stock lengths. Used in Conjunction: Raven threshold plates.



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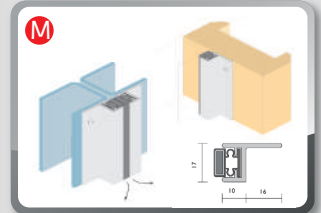
MAGNETIC SEALS

RP39

> Product Description

A refrigeration type vinyl magnetic strip in an anodised aluminium housing, which provides a very tight seal for steel clad doors and jambs, and may be used as a stop. For timber doors, a thin steel strip can be attached to the door face. The magnetic strip has sufficient closing strength that latches are not required. It can also be used in pairs on meeting stiles of timber doors. Location: Single or double doors, sliding doors and stiles,

heads and jambs or bulk head applications. Butt hinges recommended. Min/Max Gap: 4mm to 8mm (meeting stiles). Standard Finish: Anodised Satin Clear. Seal Size: 2250mm stock lengths. Used in Conjunction: Door bottom seals. Note: As an astragal seal, RP39 is not recommended for highly active doors, i.e. it is best suited to infrequent use and door closer hold-open applications.

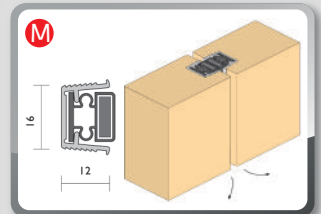


RP65

> Product Description

A refrigeration type PVC magnetic strip in an anodised aluminium channel, that is morticed into the stiles of hardwood double timber doors, either pivot, sliding or butt hinged, to form an effective astragal. It provides a very positive seal and has sufficient closing strength that latches may not be required. Location: Double swinging doors and sliding door meeting stiles. Min/Max Gap: 5mm to 7mm. (swing doors).

Seal Size: 2250 stock lengths. Standard Finish: Anodised Satin Clear. Used in Conjunction: Door bottom and frame seals. Note: Centre latching cannot be used in this configuration. The aluminium channel is designed to fit into a 16.5 x 12mm mortice. The magnetic seals are locked to prevent 'creeping'. RP65 is not recommended for highly active doors. i.e: best suited to infrequent use and door closer hold open applications.



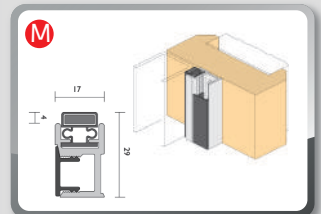
RP85

> Product Description

A magnetic seal that is fixed to the head and jambs as a door stop where steel clad doors are used. For timber doors, a thin steel strip can be attached to the door face. The magnetic strip has sufficient closing strength that latches are not required.

determined). Seal Sizes: single or double doorsets. Standard Finish: Anodised Satin Clear. Used in Conjunction: Door bottom seals and astragal seals. Note: If fixing to rebated frames of single doors, specify a large backset door latch.

Location: Head and jamb for single and double broad butt hinged doors. Min/Max Gap: 0-4mm (user



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SELF ADHESIVE SEALS

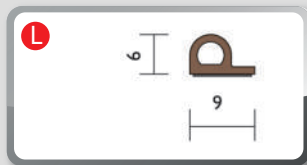


Superior quality self adhesive door and window frame weather strip. These soft rubber EPDM seals are set into the corners between the door stop and frame providing a compression seal.

RP48

> Product Description

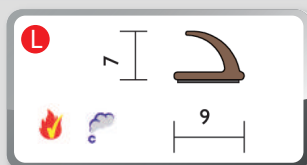
Available in white or brown. Location: Around door and window frames. Min/Max Gap: 3/5mm (user determined). Seal Sizes: 5m coil pack length (2x2.5m).



RP55

> Product Description

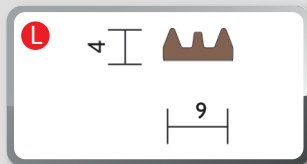
Available in white or brown. Location: Around door and window frames. Min/Max Gap: 3/6mm (user determined). Seal Sizes: 5m coil pack length (2x2.5m).



RP59

> Product Description

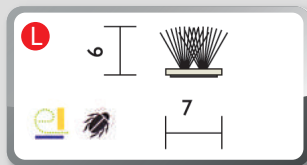
Available in white or brown. Location: Around door and window frames. Min/Max Gap: 2/4mm (user determined). Seal Sizes: 5m coil pack length (2 x 2.5m).



RP61

> Product Description

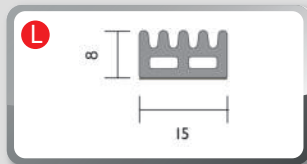
A self adhesive soft woven pile draught seal which is ideal for sliding door and window applications. Polypropylene fibre seal in grey. Location: Around window and door frames. Min/Max Gap: 3/5mm (user determined). Seal Sizes: 5m (max). Can be cut to length required.



RP108

> Product Description

Available in grey or white. A multi purpose self adhesive EPDM compression seal. Location: Multi-use (user determined). Min/Max Gap: 6/8mm (user determined). Seal Sizes: 2m coil pack.



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