

ASTROflameTM

MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

DOOR PROTECTION FINGER PROTECTION LIGHTING PROTECTION FIRESTOP PRODUCTS MASTICS & FOAMS DRAUGHT PROOFING ACOUSTIC SEALS DISABLED ACCESS ANTI-GRAFFITI FIRE PROOF PAINTS

PRODUCT GUIDE 15



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ASTROflame™

MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

We are manufacturers of passive fire stop products, draught and weather sealing systems for the construction industry. Our range covers Door Protection, Finger Protection, Lighting Protection, Fire Stop Products, Mastics and Foams, Acoustic Seals, Disabled Access, Anti Graffiti Paints and Fire Paints.

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. 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. We only cover some of our draught and weather sealing products within this catalogue, request the Astrodraft catalogue or visit www.astrodraft.com for our complete range.



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 visit our websites.

www.astroflame.com www.astrodraft.com

Please request our latest brochures and fire seal selector pack.



ASTRODRAFT:

FINGER PROTECTION:

ANTI GRAFFITI & FIREPROOF PAINTS:

MECH ELEC:



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

CONTENTS:

Door Protection

Astro Quad Seal	04
Intumescent Fire Seals	05
Intumescent Door Edge Guards	07
Acoustic & Smoke Perimeter Seals Self Adhesive	08
Acoustic Double Door Seals	09
Acoustic & Smoke Perimeter Seals	10
Acoustic Door Bottom Seal Rebated	10
Acoustic Door Bottom Seal Surface Mount	11
Acoustic Audio Perimeter Seals	12
Under Door Draft Excluder	12
Ironmongery Protection	13
Intumescent Telescopic Letterbox 30 min	13
Intumescent Acoustic Telescopic Letterbox 30/60 min	14
Intumescent Letterbox Systems	14
Intumescent Telescopic Letterbox 60 min	15
Fire Rated Door Viewer	15
Intumescent Fire Grille	16
Air Transfer Plates	16
Intumescent Glazing U-Channel	17
Intumescent Glazing Tape	17
Acoustic Fire Door Retainer	17
Perimeter Smoke Seals	18
Door Bottom Smoke Seals	19
Threshold Smoke Seals	19

Finger Protection

Finger Saver Front & Back	20
Finger Keeper Commercial Front & Back	20
Finger Guardian Front & Back	21
Aluminium Finger Guard	21
Finger Keeper Industrial	22
Finger Defender	22
Finger Protecta	22

Lighting Protection

Intumescent Acoustic Downlighter Cover	23
Fire Rated Loft Cone Vapour Seal	23
Fire Rated Luminaire Cover	24
Fire Rated Luminaire Canopy	24

Firestop Products

Intumescent Pipe Collar	25
Intumescent Pipe Wrap	25
Thermal Fire Pipe Sleeve	26
Intumescent Pillows	26
Fire Stop Block	27
Thermal Defense Wrap	27
Fire Rated Ceiling Valve	28
Intumescent Duct Wrap	28
Intumescent Duct Sleeve	29
Intumescent Fire Trunk Sleeve	29
Intumescent Cable Tray Sleeve	30
Acoustic Vent Sleeve	30
Intumescent Fire & Acoustic Socket Box Cover	31
Intumescent Fire & Acoustic Socket Box Insert	31
Intumescent Fire & Acoustic Cable Basket Sleeve	32
Fire Rated Cladding Seals	33
Cavity Fire Barrier on a Roll	35
Intumescent Expansion Joint	35
Intumescent Putty	36
Fire Batt	36
Spread Grade Mastic	36
Flexi Batt	37
Flexi Coat	37
Fire Resistant Mortar	37

Mastics & Foams

Intumescent Acoustic Mastic	38
Fire Rated Acoustic Economy Foam	38
High Pressure Sealant	39

Anti Graffiti Paints

Anti Fly Poster Coating	40
Bare Surface Graffiti Remover	40
Mastersolve Grease, Grime & Gunge Removal	40
Anti Graffiti Paint	41
Non-Darkening Sealer Coat	41
Graffiti Cleaner Shadow Lifter	42
Gum Removal System	42
Non Slip Floor Paint	42

Fire Proof Paints

Intumescent Paint for Timber	43
Intumescent Paint for Walls & Ceilings	43
Flame Retardant Paint	43
Intumescent Fire Varnish	44
Intumescent Paint for Steel & Cast Iron	44
High Build Primer	44

Draught Proofing

Astrodraft	45
Schlegel Aquamac Seals	46

Acoustic Seals & Disabled Access

Raven	47
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FOLLOW US ON



TRADE NAME: ASTRO QUAD SEAL

ASTRO QUAD SEAL



ACOUSTIC RATED



To Order & Specify Please quote
Quantity/Trade Name/Colour/Size/Product Ref
For Example
100no/ASTRO QUAD
SEAL/WHITE/10mm/AF1004QWHT

Four Seals in One. CERTIFIRE Approval. BS476 Part 22 & 31.1. BS EN ISO 140-3 30 or 60 minute rated types. NHBC Type Approval. Smoke Seal to 100,000 cycle test. Meets Approved Document B. Meets Approved Document E. 5 Popular sizes.

Intumescent Fire, Smoke, Acoustic & Thermal Seals for fire door assemblies - Four Seals in One! The complete solution for fire, smoke, acoustic & thermal containment.

An Astro intumescent graphite based fire seal combined with a Schlegel Aquamac Smoke, acoustic & thermal seal all contained within a PVC sleeve fitted into a rebate to either the leaves or the frame will, in the event of a fire, expand (intumesce) 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.

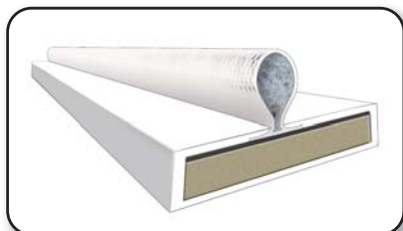
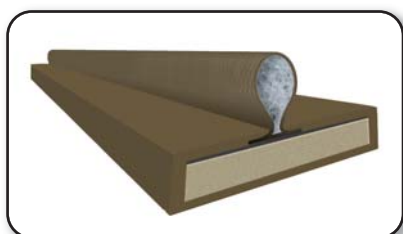
Astroflame Quad Seal provides a permanent barrier to Fire, smoke, acoustic, and thermal applications. Astro Quad seal is the only product on the market to offer Four solutions in one seal, fire & smoke to meet Document B combined together with a low friction acoustic & thermal seal to satisfy Document E.

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.

Colours:

White Pvc Casing & White Aquamac Seal
Brown Pvc Casing & Brown Aquamac Seal
Black Pvc Casing & Black Aquamac Seal
or Interchange

Other Pvc Casing colours available:
Red, Cream, Grey, Light Brown, Beech, Beige, Blue and Teak.



PRODUCT REF	FIRE RATING	PROFILE SIZE	COLOUR	LENGTHS
AF1004 QBLK	30MIN	10MM X 4MM	BLACK	2.1M/1.05M
AF1004 QBRN	30MIN	10MM X 4MM	BROWN	2.1M/1.05M
AF1004 QWHT	30MIN	10MM X 4MM	WHITE	2.1M/1.05M
AF1504 QBLK	30MIN	15MM X 4MM	BLACK	2.1M/1.05M
AF1504 QBRN	30MIN	15MM X 4MM	BROWN	2.1M/1.05M
AF1504 QWHT	30MIN	15MM X 4MM	WHITE	2.1M/1.05M
AF2004 QBLK	60MIN	20MM X 4MM	BLACK	2.1M/1.05M
AF2004 QBRN	60MIN	20MM X 4MM	BROWN	2.1M/1.05M
AF2004 QWHT	60MIN	20MM X 4MM	WHITE	2.1M/1.05M
AF2504 QBLK	60MIN	25MM X 4MM	BLACK	2.1M/1.05M
AF2504 QBRN	60MIN	25MM X 4MM	BROWN	2.1M/1.05M
AF2504 QWHT	60MIN	25MM X 4MM	WHITE	2.1M/1.05M
AF3004 QBLK	60MIN	30MM X 4MM	BLACK	2.1M/1.05M
AF3004 QBRN	60MIN	30MM X 4MM	BROWN	2.1M/1.05M
AF3004 QWHT	60MIN	30MM X 4MM	WHITE	2.1M/1.05M



Every year over 30,000 children are injured in the UK as a result of trapping their fingers in doors

ROSPA STATISTIC

SEE OUR FINGER PROTECTION SECTION ON PAGE 20 FOR THE FULL RANGE OF PRODUCTS, OR VIEW WWW.ASTROFLAME.COM AND CLICK FINGER PROTECTION

FOR FINGER PROTECTION THINK...

ASTROflameTM
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

TRADE NAME: ASTRO STRIP

INTUMESCENT FIRE SEALS



Certifire approval. Passed at BS476 part 22 & 31.1. 30 or 60 min rated types. NHBC Type Approval.

Intumescent fire and smoke seals for fire door assemblies. An Astro intumescent graphite based fireseal contained within a PVC sleeve fitted into a rebate to either the leaves or the frame will in the event of a fire expand (intumesce) 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 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, and are particularly important as smoke travels faster and further than fire itself, all astro seals are supplied with a self adhesive backing tape as standard to facilitate quick and easy fitting. The seals are

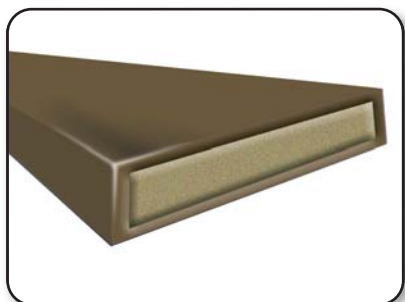
available in a choice of colours to suit your requirements or blend with decor. Tested for 30 minutes with 10mm and 15mm to BS 476 part 22 and 31.1 and Certifire approval. Tested for 60 minutes with 20mm 25mm and 30mm to BS476 part 22 & 31.1. Smoke seal to 100,000 cycle test and EN1634-3. NHBC Type Approval.

Availability:
PVC Colours. All seals are available in Brown, White, Red, Black, Cream, Grey, Light Brown, Beech, Beige, Blue and Teak. All seals are supplied with self adhesive backing tape. Alternative Smoke Seal Fittings. Grey standard 6mm nylon pile to Black or White. Longer Length: Grey Nylon Pile: Standard: 6mm to 7mm, 8mm, 9mm, 10mm, 11mm.

Alternative Seals:
Neoprene rubber smoke seals in black, single blade or twin blade.

TRADE NAME: ASTRO STRIP FO

INTUMESCENT STRIP - FIRE ONLY



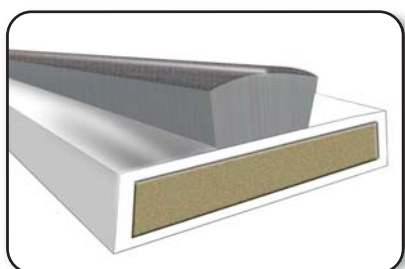
Intumescent fire only seal for use where no smoke sealing is required.

PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 FO	30MIN	10MM X 4MM	2.1M/1.05M
AF1504 FO	30MIN	15MM X 4MM	2.1M/1.05M
AF2004 FO	60MIN	20MM X 4MM	2.1M/1.05M
AF2504 FO	60MIN	25MM X 4MM	2.1M/1.05M
AF3004 FO	60MIN	30MM X 4MM	2.1M/1.05M

To Order & Specify 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

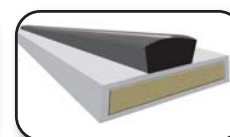
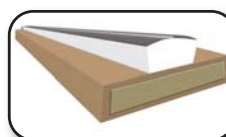
INTUMESCENT STRIP - FIRE & SMOKE



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.

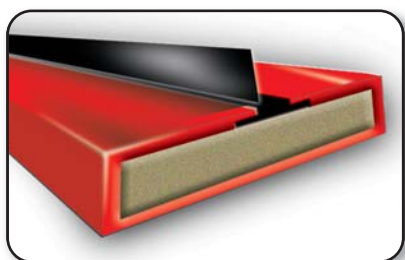
PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 FS	30MIN	10MM X 4MM	2.1M/1.05M
AF1504 FS	30MIN	15MM X 4MM	2.1M/1.05M
AF2004 FS	60MIN	20MM X 4MM	2.1M/1.05M
AF2504 FS	60MIN	25MM X 4MM	2.1M/1.05M
AF3004 FS	60MIN	30MM X 4MM	2.1M/1.05M

To Order & Specify Please quote
Quantity/Trade Name/Product Ref/PVC Colour/Brush Colour/Length
For Example
100NO/ASTROSTRIPFS/AF1504FS/WHITE/GREY BRUSH/2.1M



TRADE NAME: ASTRO STRIP SB FIRE & SMOKE WITH SINGLE RUBBER SEAL

INTUMESCENT STRIP - FIRE & SMOKE SEAL



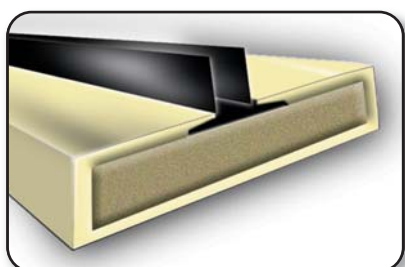
Intumescent fire seal with black neoprene single blade smoke seal.

PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 SB	30MIN	10MM X 4MM	2.1M/1.05M
AF1504 SB	30MIN	15MM X 4MM	2.1M/1.05M
AF2004 SB	60MIN	20MM X 4MM	2.1M/1.05M
AF2504 SB	60MIN	25MM X 4MM	2.1M/1.05M
AF3004 SB	60MIN	30MM X 4MM	2.1M/1.05M

To Order & Specify Please quote
Quantity/Trade Name/Product Ref/PVC Colour/Length
For Example
25NO/ASTROSTRIPSB/AF1004SB/RED/2.1M

TRADE NAME: ASTRO STRIP TB FIRE & SMOKE WITH TWIN RUBBER SEAL

INTUMESCENT STRIP - FIRE & SMOKE SEAL



Intumescent fire seal with black neoprene twin blade smoke seal.

PRODUCT REF	FIRE RATING	PROFILE SIZE	LENGTHS
AF1004 TB	30MIN	10MM X 4MM	2.1M/1.05M
AF1504 TB	30MIN	15MM X 4MM	2.1M/1.05M
AF2004 TB	60MIN	20MM X 4MM	2.1M/1.05M
AF2504 TB	60MIN	25MM X 4MM	2.1M/1.05M
AF3004 TB	60MIN	30MM X 4MM	2.1M/1.05M

To Order & Specify Please quote
Quantity/Trade Name/Product Ref/PVC Colour/Length
For Example
75NO/ASTROSTRIPTB/AF1004TB/CREAM/2.1M

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

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



Call us today on
0800 023 2482 for your
FREE Fireseal Selector Pack

FOR FIRE SEALS THINK...

ASTROflameTM
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

INTUMESCENT DOOR EDGE GUARDS



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. Eliminate the need for repetitive maintenance. Impact protection for both single & double fire doors. Suits new and existing fire doors. Available with a flat or round edge.

Available in various widths to suit any door edge. New build or refurbishment. Ideal for use in Healthcare, Retail, Schools and Commercial/Public areas.

Doors in hospital suffer more than most from wear & 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 with doors 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 sizes from 44 - 65mm width and lengths up to 2.5m.

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.

Available in aluminium or PVC Colours up to 2.5m long & 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

Length: Standard Length 2100mm - Longer lengths to order up to 2.5m
Colours: Satin Aluminium (SAA) or any RAL colour to order (Please specify RAL code)
Packing: Available to order in any quantity.

To Order & Specify Please quote
Quantity/Trade name/Size/Colour/Product Ref
For Example
10/Astro Aluminium Rounded Door Edge
Guard/44mm/SAA/AFDEGR44SAA

To Order & Specify Please quote
Quantity/Trade name/Size/Colour/Product Ref
For Example
10/Astro PVC Flat Door Edge Guard/ 46mm/RAL
1234/AFDEGF46RAL
Testing Certification
Tested to BS 476 part 22

DESCRIPTION	COLOUR	SIZE	RATING	PRODUCT REF
ROUNDED DOOR EDGE GUARD	SAA	44MM	30MIN	AFDEGR/44SAA
ROUNDED DOOR EDGE GUARD	RAL	44MM	30MIN	AFDEGR/44RAL
ROUNDED DOOR EDGE GUARD	SAA	46MM	30MIN	AFDEGR/46SAA
ROUNDED DOOR EDGE GUARD	RAL	46MM	30MIN	AFDEGR/46RAL
ROUNDED DOOR EDGE GUARD	SAA	55MM	60MIN	AFDEGR/55SAA
ROUNDED DOOR EDGE GUARD	RAL	55MM	60MIN	AFDEGR/55RAL
ROUNDED DOOR EDGE GUARD	SAA	63MM	60MIN	AFDEGR/63SAA
ROUNDED DOOR EDGE GUARD	RAL	63MM	60MIN	AFDEGR/63RAL
FLAT DOOR EDGE GUARD	SAA	44MM	30MIN	AFDEGF/44SAA
FLAT DOOR EDGE GUARD	RAL	44MM	30MIN	AFDEGF/44RAL
FLAT DOOR EDGE GUARD	SAA	46MM	30MIN	AFDEGF/46SAA
FLAT DOOR EDGE GUARD	RAL	46MM	30MIN	AFDEGF/46RAL
FLAT DOOR EDGE GUARD	SAA	55MM	60MIN	AFDEGF/55SAA
FLAT DOOR EDGE GUARD	RAL	55MM	60MIN	AFDEGF/55RAL



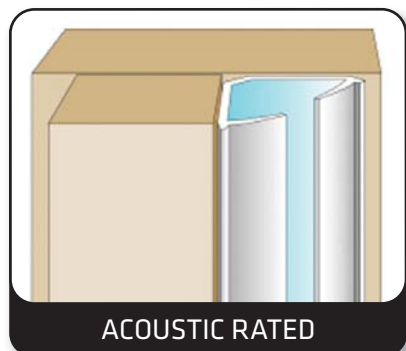
**TURN TO PAGE 43 FOR OUR RANGE
OF FIRE PROOF PAINTS OR VIEW
WWW.ASTROFLAME.COM AND
CLICK FIRE PROOF PAINTS.**

FOR FIRE PROOF PAINTS THINK...

ASTROflame[®]
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

TRADE NAME: ASTRO ASP SEAL

ACOUSTIC & SMOKE PERIMETER SEALS



Perimeter seals for proprietary fire doors acoustically and smoke tested. BS 476 Part 31.1. BS EN 1634 Part 4. Sound reduction. Rw39dB (single seal). Rw35dB (twin fin) Suitable for new and retrofit. Easy to install ASP self adhesive seals. Colour options for ASP seal. Black, Brown, White or Light Oak.

ASTRO ASP SEAL

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 2-4mm. Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index Rw39dB. Suitable for new and retrofit applications the seals are quick and easy to apply.

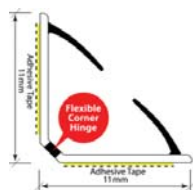
Applications

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.

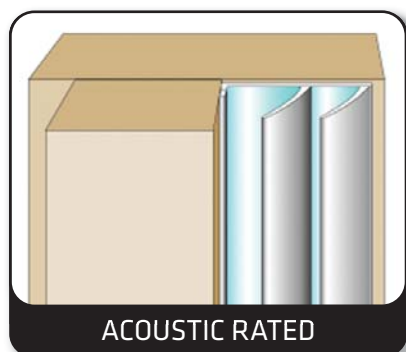


To Order & Specify Please quote Quantity/Trade Name/Type/Colour/Product Ref
For Example

10/ASTRO ASP SEAL/2100MM/WHITE/AFASP/WHT
10/ASTRO ASP SEAL/2100MM/BROWN/AFASP/BRN
10/ASTRO ASP SEAL/2100MM/BLACK/AFASP/BLK
10/ASTRO ASP SEAL/2100MM/LIGHT OAK/AFASP/LO

TRADE NAME: ASTRO ASP/TF SEAL

ACOUSTIC & SMOKE PERIMETER SEALS

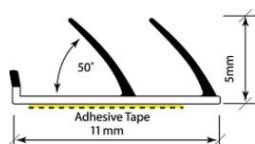


Similar to the ASP Seal the ASPTF Twin Fin Seal is a compact design ideal for hygiene and clean rooms and removes the need to fit separate smoke seals. Engineered to size to avoid overlapping door ironmongery with excellent compression and deflection performance and allows reduced door closing force due to a low co-efficient material used in integral fins.

Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index 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 TF 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.

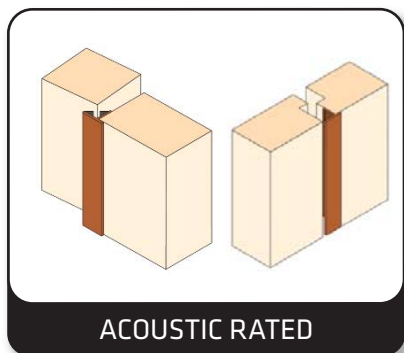


To Order & Specify Please quote Quantity/Trade Name/Type/Colour/Product Ref
For Example

10/ASTRO ASPTF SEAL/2100MM/BLACK/AFASPTF/BLK
10/ASTRO ASPTF SEAL/2100MM/BROWN/AFASPTF/BRN
10/ASTRO ASPTF SEAL/2100MM/WHITE/AFASPTF/WHT
10/ASTRO ASPTF SEAL/2100MM/LIGHT OAK/AFASPTF/LO

TRADE NAME: ASTRO AS FLIPPER SEAL

ACOUSTIC DOUBLE DOOR SEAL



Sound Reduction of Rw35dB. Choice of Colours including wood grain. Suitable for Plain or Rebated styles.

Astro AS Flipper Seal
This double flipper meeting style seal has been designed for use with either plain or rebated double doorsets, specifically to improve the aesthetics and acoustic properties. It has been tested to show an unaided weighted sound reduction of Rw35dB. The product is supplied fitted with a high performance self adhesive tape to allow the product to be fitted in position prior to screw fixing and is available in various colours.

Testing undertaken in accordance with BS EN ISO240-3:1995 revealed a timber doorset assembly with no seals fitted around the perimeter of the doorset achieved a Rw23dB rating. This falls well below the minimum specified in Approved Document E which is Rw29dB. When tested again with the Astro As Flipper Seal there was an increase in the performance to Rw35dB.

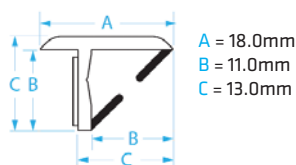
Seal Length: 2100mm. Sold Individually.
Colours: Black (AFASFLIPBLK)
Brown (AFASFLIPBRN)
White (AFASFLIPWHT)
Light Oak (AFASFLIPLD)
Wood Grain p.o.a

To Order & Specify Please quote

Quantity / Trade name / Product Ref / Colour

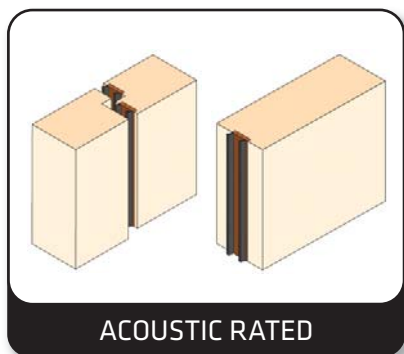
For Example

10/ASTRO AS FLIPPER SEAL/AFASFLIPBLK/BLACK



TRADE NAME: ASTRO AS QUAD FLIPPER SEAL

ACOUSTIC DOUBLE DOOR SEAL



Astro AS Quad Flipper Seal. Sound Reduction of Rw34dB. Suitable for Plain or Rebated styles.

Astro AS Quad Flipper Seal
This double flipper meeting style seal has been designed for use with either plain or rebated double doorsets, particularly where centre latches are required, but specifically to improve the aesthetics and acoustic properties. It has been tested to show an unaided weighted sound reduction of Rw34dB. The product is supplied fitted with a high performance self adhesive tape to allow the product to be fitted in position prior to screw fixing and is easily cut to shape to accommodate latch plates.

Testing undertaken in accordance with BS EN ISO240-3:1995 revealed a timber doorset assembly with no seals fitted around the perimeter of the doorset achieved a Rw23dB rating. This falls well below the minimum specified in Approved Document E which is Rw29dB. When tested again with the Astro As Quad Flipper Seal there was an increase in the performance to Rw34dB.

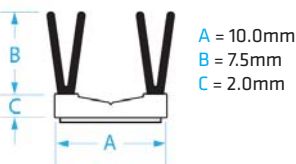
Seal Length: 2100mm. Sold Individually.
Colours: Black (AFASQFLIPBLK)
Brown (AFASQFLIPBRN)
White (AFASQFLIPWHT)
Light Oak (AFASQFLIPLD)

To Order & Specify Please quote

Quantity / Trade name / Product Ref / Colour

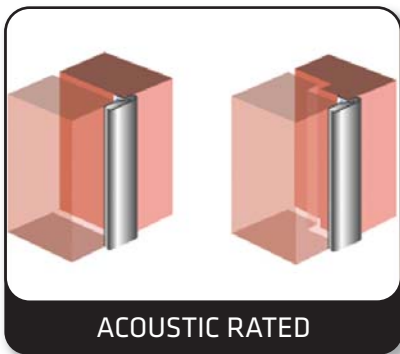
For Example

10/ASTRO AS QUAD FLIPPER SEAL/AFASQFLIPBLK/BLACK



TRADE NAME: ASTRO ASMS/SA AND ASMS/DA SEALS

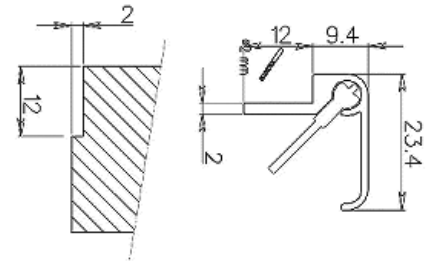
ACOUSTIC & SMOKE PERIMETER SEALS



ASTRO ASMS MEETING STILE SEAL SINGLE ACTION

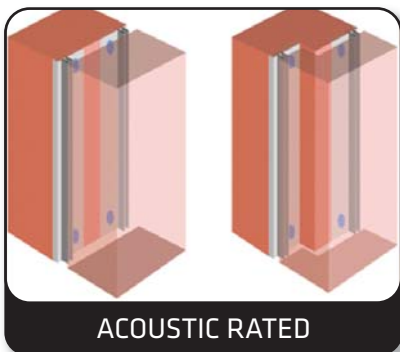
An acoustic meeting stile seal for single action door leaves. The seal can be fitted to flush or rebated door styles. Screw fix (supplied). Standard lengths are 2100mm or 2500mm.

The minimum / maximum gap is 3-8mm
Satin anodised aluminium finish with a PVC seal for acoustic performance. Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index Rw35dB.



To Order & Specify Please quote
QTY / TRADE NAME / SIZE / PRODUCT REF

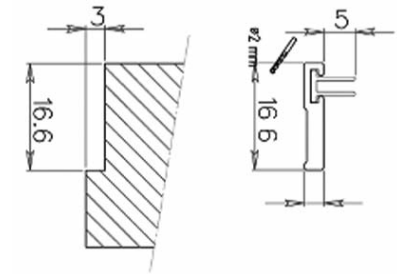
For Example
10 / ASTRO ASMS MEETING STILE SEAL-SINGLE
ACTION / 2100 / AFASMS/SA / 2100



ASTRO ASMS MEETING STILE SEAL DOUBLE ACTION

An acoustic meeting stile seal for double action door leaves. The seal can be fitted to flush or rebated door styles. Screw fix (supplied). Standard lengths are 2100mm or 2500mm.

The minimum / maximum gap is 3-8mm
Satin anodised aluminium finish with a PVC seal for acoustic performance. Acoustically and smoke tested on proprietary fire doors. Noise Reduction Index Rw35dB.



To Order & Specify Please quote
QTY / TRADE NAME / SIZE / PRODUCT REF

For Example
10 / ASTRO ASMS MEETING STILE SEAL-DOUBLE
ACTION / 2100 / AFASMS/DA / 2100

TRADE NAME: ASTRO ASDB SEAL

ACOUSTIC & SMOKE RATED DOOR BOTTOM SEALS - REBATED



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 of Rw37dB or Rw51dB (DB Plus Seal). Suitable for new and retrofit. Rebated fitting - comes with prefitted screws. Anodised satin clear finish. Tested to 200,000 cycles.

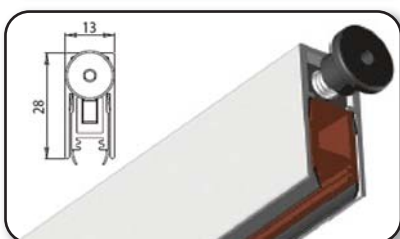
ASTRO ASDB SEAL Rw37dB Version. An automatic door bottom seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. An acoustically designed seal for rebated applications. mounted into a 13mm x 28mm groove that has been morticed into the bottom edge 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. 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 Rw37dB.

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.

Order code: AFASDB/Length



TRADE NAME: ASTRO ASDBX, FBEXT AND FBBOLT

ACOUSTIC & SMOKE RATED DOOR BOTTOM SEALS - REBATED



ACOUSTIC RATED

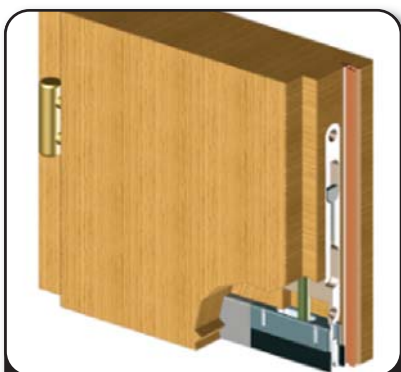
ASTRO ASDBX DB PLUS SEAL Rw51dB Version
An automatic door bottom seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. An acoustically designed seal for rebated applications. mounted into a 15mm x 28mm groove that has been morticed into the bottom 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). Noise Reduction Index 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. Seal easily removed to prevent damage during installation.

Order code: AFASDBX/LENGTH



ACOUSTIC RATED

ASTRO AFASDBX/FBEXT AFASDBX/FBBOLT
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 DBX Seal Plus (Rw51dB) 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.

TRADE NAME: ASTRO ASDB/SM SEAL

ACOUSTIC & SMOKE RATED DOOR BOTTOM SEALS - SURFACE MOUNTED



ACOUSTIC RATED

ASTRO ASDB/SM Seal
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 Rw37dB. Suitable for new and retrofit. Screw fixing (screws supplied). Anodised satin clear finish. Tested to 200,000 cycles.

ASTRO ASDB/SM SEAL is 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 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: Rw37dB.

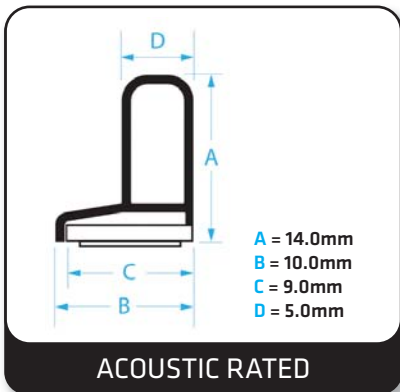
Min/Max Gap: 3mm - 14mm.
Seal Lengths: 330mm, 430mm, 530mm, 630mm, 730mm, 830mm, 930mm, 1030mm, 1130mm, 1230mm. Maximum trimming length 150mm. Anodised Satin clear finish.

Order code: AFASDBSM/LENGTH



TRADE NAME: ASTRO AS AUDIO SEAL

ACOUSTIC AUDIO PERIMETER DOOR SEAL



Sound Reduction of Rw37dB. Choice of Colours.

Seal Length: 2100mm. Sold Individually.

Astro AS Audio Seal
This revolutionary Audio Seal has been designed and manufactured to provide an effective barrier to seal perimeter gaps in high performance doorset assemblies.

Colours: Black (AFASAUDIOBLK),
Brown (AFASAUDIOBRN)
White (AFASAUDIOWHT),
Light Oak (AFASAUDIOLLO)

The product is designed and expected to achieve a noise reduction level of Rw42dB however is untested at present for levels above Rw37dB due to door performance levels in the industry.

To Order & Specify Please quote
Quantity / Trade name / Product Ref / Colour
For Example
10 / ASTRO AS AUDIO SEAL / AFASAUDIOBLK / BLACK

TRADE NAME: ASTRO UNDER DOOR DRAUGHT EXCLUDER

UNDER DOOR DRAUGHT EXCLUDER



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: ADUDE



Don't let them get away with it!

TURN TO PAGE 40 FOR OUR RANGE OF ANTI-
GRAFFITI PAINTS OR VIEW WWW.ASTROFLAME.COM
AND CLICK ANTI-GRAFFITI.

FOR ANTI-GRAFFITI PAINTS THINK...

ASTROflame[®]
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS

TRADE NAME: ASTRO PROTECTA

IRONMONGERY PROTECTION



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.



Testing Certification

Warrington Fire Research: Global Assessment
C100767 Trada/Chiltern: RF40523, RF95041,
RF95079, RF95080. NHBC Type Approval.

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

TRADE NAME: ASTRO ECO TELESCOPIC LETTERBOX FX (FIRE&SMOKE)

INTUMESCENT FIRE & SMOKE RATED TELESCOPIC LETTERBOX SYSTEM



Tested to BS 476 PART 22 & 31.1. 30 minutes Fire & Smoke rating. Fully sealed letter plate flaps & back plate. Intumescent fire liner. Adjustable door thickness from 40-65mm. Supplied complete with internal flap and aperture liner. Choice of letter plate finish. Integral sound dampening bumpers.

The Astroflame telescopic letter box system range is specially designed to increase the safety and security of occupants against fire & smoke. The range includes models which are fire & smoke rated for 30 minutes and are particularly suitable for multiple occupancy residential buildings. The standard size our most popular 272mm x 70mm comes as a 30 minute rated telescopic intumescent letterbox system with a black frame and available in Satin Aluminium, Stainless Steel, Chrome Plated, Polished Silver or Polished Gold letter plate flaps. Cut out required on this size is 241mm x 57mm. Our larger commercial

size of 306mm x 70mm comes as a 30 minute rated telescopic intumescent letterbox system with a black frame and available in Satin Aluminium, Stainless Steel, Chrome Plated, Polished Silver or Polished Gold letter plate flaps. Cut out required on the commercial range is size is 274mm x 57mm.

The systems are fitted with an intumescent liner around the telescopic sleeve section of the letterplate. In the event of a fire the intumescent liner expands to seal the letterbox aperture and retains the fire integrity of the door. Suitable and tested for use up to 1050mm from floor level and adjustable to suit door thicknesses from 40mm - 65mm. Smoke Tested to BS 476 Part 31.1 with a fully sealed back plate and letter plate flaps there is no need for an integral brush seal. For acoustic requirements please refer to our other telescopic letterbox FSA.

To Order & Specify Please quote

Quantity/Trade name/Product Ref/ Rating/Colour
For Example

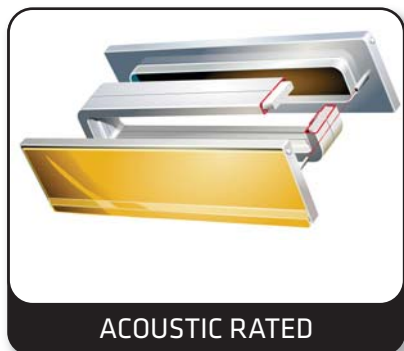
12no / ASTRO ECO TELESCOPIC LETTER BOX FX /
AFTLBFX/30SAA / 30 mins / SAA
18no / ASTRO ECO TELESCOPIC LETTER BOX FX /
AFTLBFX/30PC / 30 mins / Chrome Plated

PRODUCT REF	DESCRIPTION	DIMENSIONS	COLOUR
AFTLBFX/30SAA	30 MINUTE FIRE / SMOKE	272X70MM	SATIN ANODISED ALUMINIUM
AFTLBFX/30PC	30 MINUTE FIRE / SMOKE	272X70MM	CHROME PLATED
AFTLBFX/30SS	30 MINUTE FIRE / SMOKE	272X70MM	STAINLESS STEEL
AFTLBFX/30PA	30 MINUTE FIRE / SMOKE	272X70MM	POLISHED SILVER (CC)
AFTLBFX/30GA	30 MINUTE FIRE / SMOKE	272X70MM	POLISHED GOLD (CB)
AFTLBFXC/30SAA	30 MINUTE FIRE / SMOKE	306MMX70MM	SATIN ANODISED ALUMINIUM
AFTLBFXC/30PC	30 MINUTE FIRE / SMOKE	306MMX70MM	CHROME PLATED
AFTLBFXC/30SS	30 MINUTE FIRE / SMOKE	306MMX70MM	STAINLESS STEEL
AFTLBFXC/30PA	30 MINUTE FIRE / SMOKE	306MMX70MM	POLISHED SILVER (CC)
AFTLBFXC/30GA	30 MINUTE FIRE / SMOKE	306MMX70MM	POLISHED GOLD (CB)

TRADE NAME: ASTRO TELESCOPIC LETTER BOX FS (FIRE/SMOKE)

ASTRO TELESCOPIC LETTER BOX FSA (FIRE/SMOKE/ACOUSTIC)

INTUMESCENT FIRE/SMOKE & ACOUSTIC TELESCOPIC LETTERBOX SYSTEM



Certifire Approved. Tested to BS 476 PART 22 for 30 or 60 minutes fire rating. Tested to BS EN 20140 -10. Tested to BS EN ISO140 to Rw29dB for acoustic rating. Adjustable door thickness from 42-47mm, 47-52mm & 52-57mm. Supplied complete with internal flap and aperture liner. Fire, Smoke & Acoustic in one system.

The Astroflame telescopic letter box system range is specially designed to increase the safety and security of occupants against fire, Smoke and Sound Pollution. The range includes models which are either fire & smoke rated from 30 minutes to 1 hour particularly suitable for multiple occupancy residential buildings. Our Astro telescopic letter box FSA also carries an Acoustic rating to Rw29dB sound reduction criteria as outlined in

Approved Document E for door sets. Tested to BS ENISO 140 it achieved better results than the standardised fully caulked benchmark test.

30 minute version available in polished silver or gold anodised aluminium. 60 minute version available in brushed and polished stainless steel, polished brass. Fire, Smoke & Acoustic in one system. Other sizes available for 30 minute Fire/smoke rated or Fire/smoke & Acoustic rated are 47-52 mm & 52mm-57mm in either SA or GA finish. Other sizes available for 60 minute Fire rated or Fire/smoke & Acoustic rated are 42-47 mm & 47mm-52mm in either SS, MPS or PB finish.

Any RAL Colour to order in any style or size. Optional security features for 60 Minute versions are an internal Security Cowl & Latch.

To Order & Specify Please quote Quantity/Trade name/Product Ref/Rating/Colour. **For Example**

12no / ASTRO TELESCOPIC LETTER BOX FS/ AFTLBFS/30SA / 30 mins / Satin Aluminium
18no / ASTRO TELESCOPIC LETTER BOX FSA/ AFTLBFSA/60PB / 60 mins / Polished Brass.

Testing Certification

Fire Testing. To Certifire Approval. By Warrington Fire Research. BS 476 Part22 by Chiltern Fire.

Acoustic Testing

Tested to BS EN ISO 140. To Approved Document E guidelines.

PRODUCT REF	DESCRIPTION	COLOUR
AFTLBFS/30SA	30 MINUTE FIRE/SMOKE 42-47MM	SATIN ANODISED ALUMINIUM
AFTLBFS/30GA	30 MINUTE FIRE/SMOKE 42-47MM	GOLD ANODISED ALUMINIUM
AFTLBFS/60SS	60 MINUTE FIRE/SMOKE 52-57MM	SATIN BRUSHED STAINLESS STEEL
AFTLBFS/60MPS	60 MINUTE FIRE/SMOKE 52MM-57MM	MIRROR POLISHED STAINLESS STEEL
AFTLBFS/60PB	60 MINUTE FIRE/SMOKE 52MM-57MM	POLISHED BRASS & LACQUER
AFTLBFA/30SA	30 MINUTE FIRE/SMOKE/ACOUSTIC 42-47MM	SATIN ANODISED ALUMINIUM
AFTLBFA/30GA	30 MINUTE FIRE/SMOKE/ACOUSTIC 42-47MM	GOLD ANODISED ALUMINIUM
AFTLBFA/60SS	60 MINUTE FIRE/SMOKE/ACOUSTIC 52-57MM	SATIN BRUSHED STAINLESS STEEL
AFTLBFA/60MPS	60 MINUTE FIRE/SMOKE/ACOUSTIC 52-57MM	MIRROR POLISHED STAINLESS STEEL
AFTLBFA/60PB	60 MINUTE FIRE/SMOKE/ACOUSTIC 52-57MM	POLISHED BRASS & LACQUER

TRADE NAME: ASTRO LINER/SYSTEM

INTUMESCENT LETTERBOX SYSTEMS



Testing Certification

Warrington Fire Research: Global Assessment C100767 Trada/Chiltern: RF95041.

Fire Test or Assessment reports

Warrington Fire Research: Global Assessment C100767 Trada/Chiltern RF95041. NHBC Type Approval.

Tested to BS476: Part 22. 30 or 60 minute fire Self adhesive backed. Suits new or retro-fit. NHBC Type Approval.

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 tested in accordance with BS476 Part 22 and can provide in excess of 1 hour fire resistance.

Availability

Supplied in packs containing sufficient material to suit any size aperture up to 250x50mm and up to 270x69mm, and can be used in both 1/2 and 1 hour fire door assemblies. Larger sizes available on request, and to Warrington Fire Research Assessment.

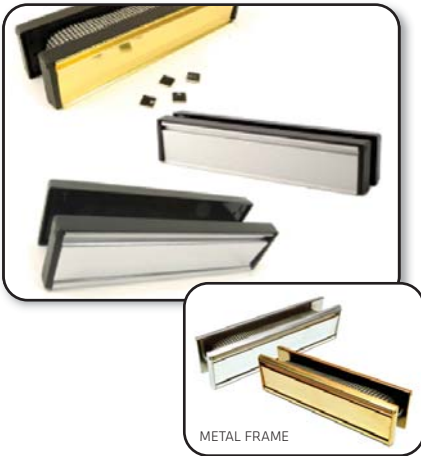
Liner Colours

Black, Red. Letterplate Colours Brass & Satin Aluminium Effect.

PRODUCT REF	DESCRIPTION	COLOUR
AFLBL/B/30 OR 60	BLACK	N/A
AFLBL/R/30 OR 60	RED	N/A
AFLBSB/B/30 OR 60	BLACK	BRASS
AFLBSB/R/30 OR 60	RED	BRASS
AFLBSS/B/30 OR 60	BLACK	SILVER
AFLBSS/R/30 OR 60	RED	SILVER

TRADE NAME: ASTRO TELESCOPIC LETTERBOX FXC60

INTUMESCENT FIRE & SMOKE RATED TELESCOPIC LETTERBOX SYSTEM



60 min Fire Rated Letterbox. Adjustable door thickness from 40-80mm. 10,000 Cycle Test. Choice of letter plate finish. Conforms to BS/EN 13724:2002.

The Astroflame telescopic letter box system range is specially designed to increase the safety and security of occupants against fire. The range includes models which are fire rated for 60 minutes and are particularly suitable for multiple occupancy residential buildings.

These fire rated letterbox systems are fitted with an intumescent liner around the telescopic sleeve section of the letterplate. In the event of a fire the intumescent liner expands to seal the letterbox aperture and retains the fire integrity of the door. Cut out required on this size is 248mm x 42mm. Brushes are designed

to go to the outside for maximum protection and draught proofing. The overall size is 305mm x 66mm and comes as a 60 minute rated telescopic intumescent letterbox system with a black frame and letter plate flaps available in these finishes:

Black Plastic Frame
Satin Anodised Aluminium
Gold Anodised
Mirror Polished Stainless Steel

Matching Metal Frame with either a Mirror Polish Stainless Steel or PVD Gold flaps. Cut out size 260mm x 42mm overall size 305mm x 76mm. Suitable and tested for use up to 1,700mm from floor level and adjustable to suit door thicknesses from 40mm - 80mm. 180 degree flap opening. 10,000 Cycle Test.

To Order & Specify Please quote Quantity/Trade name/Product Ref/Rating/Finish
For Example

12no / ASTRO TELESCOPIC LETTER BOX FXC60 / AFTLBFXC/60SAA / 60 mins / SAA
18no / ASTRO TELESCOPIC LETTER BOX FXC60 / AFTLBFXC/60GA / 60 mins / Gold Anodise

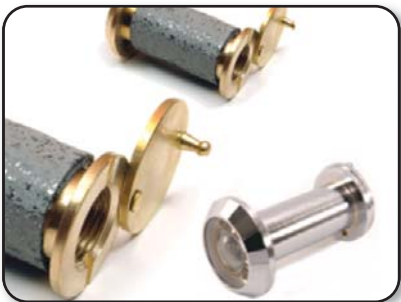
Testing Certification

Conforms to BS/EN 13724:2002

PRODUCT REF	DESCRIPTION	FINISH
AFTLBFXC/60SAA	60 MIN FIRE/SMOKE 305X66MM	SATIN ANODISED ALUMINIUM
AFTLBFXC/60MPSS	60 MIN FIRE/SMOKE 305X66MM	MIRROR POLISH STAINLESS STEEL
AFTLBFXC/60GA	60 MIN FIRE/SMOKE 305X66MM	GOLD ANODISED
AFTLBFXC/60MPSSMF	60 MIN FIRE/SMOKE 300X76MM	MIRROR POLISH STAINLESS STEEL/METAL FRAME
AFTLBFXC/60PVDGOLDMF	60 MIN FIRE/SMOKE 300X76MM	PVD GOLD/METAL FRAME

TRADE NAME: ASTRO FR DOOR VIEWER

FIRE RATED DOOR VIEWER



To Order & Specify Please quote Quantity / Product Ref / Finish
For Example

6 no / AFDV14B / Brass
6 no / AFDV14C / Chrome
6 no / AFDV38S / Silver
6 no / AFDV38G / Gold

Testing Certification

DHF TS02 (Door Hardware Federation Test Standard 02)

Fire Rated Door Viewer - 60 Minute Rated. Suits 35mm - 55mm thickness doors. 180 degree viewing angle. Brass, Chrome, Gold Plastic or Silver Plastic for 35mm - 62mm.

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.

Alternatively we can offer a Gold or Silver plastic frame for 35mm - 62mm thick doors with a 38mm barrel. Tested to BS476Pt22 60 minutes and EN1634-1 30 minutes. Conforms to DHF TS02.

TRADE NAME: ASTRO GRILLE

INTUMESCENT FIRE GRILLE

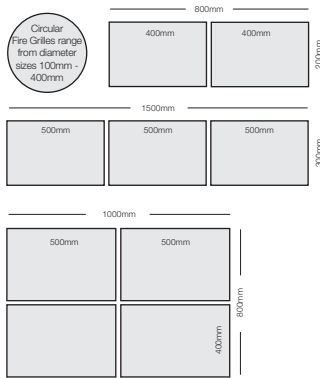


Order Code

AFFG (width X height) - example AFFG 300200 or AFFG 400400

Testing Certification

Warrington Fire Research: Global Assessment C100767 Chiltern International Fire: FEA/F96117 Trada/Chiltern: RF95041. NHBC Type Approval.



Tested to BS476: Part 22 60 minutes and EN1634-1 30 minutes. Comprehensive range of sizes. For use in doors and walls. In excess of 30 or 60 minutes fire rating. Vermin proof wire mesh 80% free area NHBC Type Approval.

A durable ventilation grille which is easily mounted in doors and 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 galvanised steel frame with vermin proof 6mm steel mesh fitted to both faces. The design allows a free area of 80% approximately. See our table below for guidance.

Availability

All square and rectangular grilles are available to suit 30 or 60 minute fire rated applications.

Maximum single grille size is 600mm² or equivalent area, although a combination of grilles may be fitted together as a system to achieve a maximum size of 1500 x 1000mm. Circular grilles are available in 100, 125, 150, 200, 225, 250, 300, 350, and 400mm diameter sizes, and are 60 minute rated.

Free Air Flow Table

Using Astroflame Intumescent Fire Grille (below). Calculations made using 80% (approx) free air flow. Please note that this information does not allow for any of the Astroflame range of steel louvered face plates, or any other type of aesthetically pleasing finishes. (Free area calculation is based on 300mm x 300mm). Please note this product is not suitable for air conditioning systems.

Size in mm.	100.00	150.00	200.00	225.00	250.00	300.00	350.00	400.00	450.00	500.00	550.00	600.00
100.00	80cm ²	120cm ²	160cm ²	180cm ²	200cm ²	240cm ²	280cm ²	320cm ²	360cm ²	400cm ²	440cm ²	480cm ²
150.00		180cm ²	240cm ²	270cm ²	300cm ²	360cm ²	420cm ²	480cm ²	540cm ²	600cm ²	660cm ²	720cm ²
200.00			320cm ²	360cm ²	400cm ²	480cm ²	560cm ²	640cm ²	720cm ²	800cm ²	880cm ²	960cm ²
225.00				405cm ²	450cm ²	540cm ²	630cm ²	720cm ²	810cm ²	900cm ²	990cm ²	1080cm ²
250.00					500cm ²	600cm ²	700cm ²	800cm ²	900cm ²	1000cm ²	1100cm ²	1200cm ²
300.00						720cm ²	840cm ²	960cm ²	1080cm ²	1200cm ²	1320cm ²	1440cm ²
350.00							980cm ²	1120cm ²	1260cm ²	1400cm ²	1540cm ²	1680cm ²
400.00								1280cm ²	1120cm ²	1600cm ²	1760cm ²	1920cm ²
450.00								1620cm ²	1800cm ²	1980cm ²	2160cm ²	
500.00									2000cm ²	2200cm ²	2400cm ²	
550.00										2420cm ²	2640cm ²	
600.00											2880cm ²	

TRADE NAME: ASTRO PLATES

AIR TRANSFER PLATES



Order Code

AFP (width x height)/colour - example: AFP150150/SA or AFP500400/W

Steel construction. Choice of satin aluminium or white. Custom finish to any ral colour to special order. Internal use. Complete range of sizes. Door or wall mounting.

Astroflame Face Plate Series presents a Mild Steel Louvered Grille 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

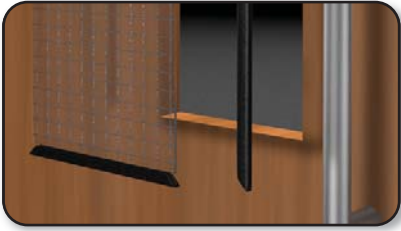
with a 30% downward deflection. Suitable for surface mounting in both door and wall applications, the steel construction ensures that the unit is satisfactory not only for Astroflame intumescent fire grilles but can also be used in standard air transfer applications, utilised with the wide flange border providing adequate clearance for fixing to the surrounding structure. Slim line and unobtrusive they are readily available in a wide variety of standard and reverse sizes. Standard finish is satin aluminium or white and colour finishes available on request.

Size in mm	100	150	200	250	300	350	400	450	500	600
100	102x102	152x102	203x102	254x102	305x102	356x102	406x102	457x102	508x102	610x102
150		152x152	203x152	254x152	305x152	356x152	406x152	457x152	508x152	610x152
200			203x203	254x203	305x203	356x203	406x203	457x203	508x203	610x203
250				254x254	305x254	356x254	406x254	457x254	508x254	610x254
300					305x305	356x305	406x305	457x305	508x305	610x305
350						356x356	406x356	457x356	508x356	610x356
400							406x406	457x406	508x406	610x406
450								457x457	508x457	610x457
500									508x508	610x508
600										610x610

Sizes shown depict actual free vent area, please allow for the flange around the plate.

TRADE NAME: ASTRO U-CHANNEL

INTUMESCENT GLAZING U-CHANNEL



To Order & Specify Please quote Quantity/Product Ref/Product Code
For Example 100m / U Channel / AFUC6

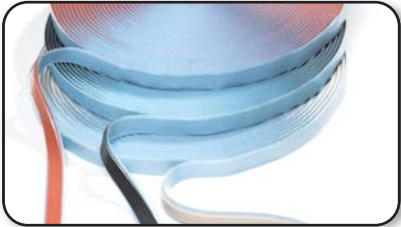
30 minute rated. BS 476 Parts 20 and 22. For use in glass up to 600mm x 600mm. Impervious to water and moisture. Easy and clean application. U Channel for 6mm glass. Cost effective, easily installed dry glazing gasket for use in fire doors using clear or wired glass. Elastic composition of the channel grips the glass. 15mm tall 10.5mm wide and supplied in 100 Metre lengths.

Colour: Black
Meets appropriate BS and Building Regulation standards. A 60 minute version is under test - check with us for availability.



TRADE NAME: ASTRO TAPE

INTUMESCENT GLAZING TAPE



Fire Test and Assessment reports
Warrington Fire Research: Global Assessment C100767
Trada/Chiltern: RF40523. NHBC Type Approval.

Tested to BS476: Part 22. Available in Brown, Off-White or Black. 30 minute Fire Rating. NHBC Type Approval. For use in glass up to 680mm x 545mm.

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. 12mm x 3mm x 15 metre roll. Colours: Brown, Off-White or Black. 20 per box.

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

TRADE NAME: ASTRO DOORGARD RETAINER

ACOUSTIC FIRE DOOR RETAINER



To Order & Specify Please quote Quantity/Trade name/Colour/Product Ref
For Example

10/Astro Doorgard/Black/AFDGRBLK
Testing Certification

Dorgard 1328-A01 approvals and standards BS EN 1155: 1997 building hardware. Electrically powered hold-open devices for swing doors. (Manufacturer's classification number 357113.) BS EN 50081-1: 1992 electro-magnetic compatibility. Generic emission standard. Residential, commercial and light industry. BS EN 50082-1: 1997 electro-magnetic compatibility. Generic immunity standard. Residential, commercial and light industry. USA patent number: 5525963. European patent number: 0635092

Installs in under five minutes. Improves access for wheelchair users. Complies with BS EN 1155. Automatically releases fire doors when the fire alarm sounds. Available in a variety of colours. Automatic night-time release facility.

Wedging open fire doors is illegal and dangerous. Doorgard is the safe, legal and cost-effective solution for holding doors open.

The Doorgard provides a wire-free solution for legally holding open fire doors in any position. Suitable for normal environments, e.g. offices, care homes and hotels that have an automatic fire detection system installed.

Availability: to order in any quantity. Colours: Black, Red & White ex stock. Other colours to minimum orders.

ITEM	PRICE UNIT	COLOUR	PRODUCT CODE
DOOR GUARD	1	BLACK	AFDGRBLK
DOOR GUARD	1	RED	AFDGRRED
DOOR GUARD	1	WHITE	AFDGRWHT
DOOR GUARD	1	COLOUR	AFDGRCOL

Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light. There are three types: Light (L), Medium (M) and Heavy duty (H). With solutions for a wide range of door opening types including butt hinged, up and over, sliding, roller shutter and revolving. The following is a selection of the Raven Smoke Rated Seals available from the comprehensive range shown on www.astrodraft.com and in the Astrodraft catalogue available for you to request on page 47. All seals are only available in an anodised satin clear finish. Raven Seals have been designed to accommodate a variety of duty levels, classified in this catalogue as light, medium and heavy.

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)

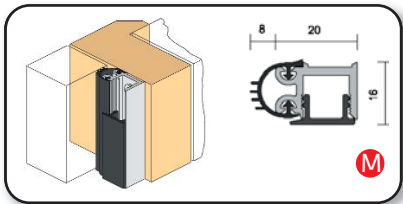


Access & Mobility



Light

PERIMETER SMOKE SEAL RP10SI



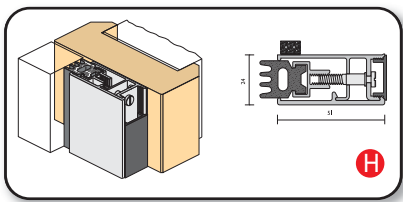
A neat compact door stop frame seal which has proven to be an effective acoustic seal when tested in accordance with BS2750 and ISO140.3. It is quick and easy to install onto the door frame as a door stop. It is adjustable, by concealed fixing slots, for a precision fit. The multi blade seal considerably reduces the leakage of noise 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 broad butt hinged doors. Min/Max Gap: 0mm/10mm. Seal Lengths: Single door sets (1 x 1000, 2x 2100). Long set (1 x 1000, 2x 2750). Double door sets (3 x 2100). Long set (2x 2750, 1 x 2000). 250mm increments to 5000mm.



PERIMETER SMOKE SEAL RP24SI



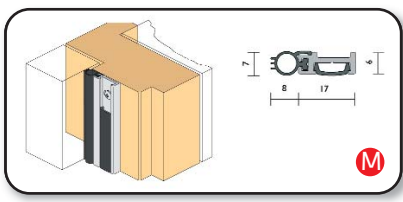
An adjustable door stop seal for noise, light and smoke. The RP24Si seal uses independently adjustable fasteners to achieve up to 8mm sealing adjustment for maximum noise control. The seal can be butt jointed at the corners of the frame to produce an easily installed continuous seal around the door frame, replacing the conventional doorstop on either steel or timber door frames. It is tamper proof

with fully concealed fasteners to give the seal an aesthetic appearance. If fixing to rebated frames of single doors, specify a large backset locks.

Location: Head and jamb of single or double butt hinged doors. Min/Max Gap: 0mm/8mm. Seal Sizes: single or double doorsets.



PERIMETER SMOKE SEAL RP78SI



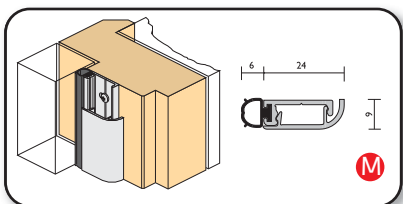
A medium temperature smoke door frame seal that has been tested to AS 1530.4, AS/NZS 1905.1 and conforms to BCA spec. C3.4. 2000°C Medium temperature smoke. Equivalent to BS 476 part 20 and 22. It is an acoustically designed smoke seal for installation on door stops and it can be mitred or butt jointed. 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.

Location: Head and jambs on single or double butt hinged doors. Min/Max Gap: 0mm to 6mm Seal Size: Single doorsets (1 x 1000, 2x 2100), long set (1x 1000, 2x 2750). Double door sets (3x 2100), long set (1 x 2000, 2 x 2750). 250mm increments to 5000mm.



PERIMETER SMOKE SEAL RP93SI



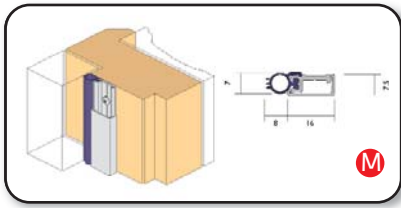
A weather, smoke and acoustic seal suitable for plain or rebated frames. RP93Si is quick and easy to install (mitre joint only), to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and, with a tamper proof cover strip, provides a fit and forget feature.

Location: Head and jambs of single or double butt hinged doors.

Min/Max Gap: 0mm/ 6mm. Seal Size: single or double doorsets.



PERIMETER SMOKE SEAL RP94Si

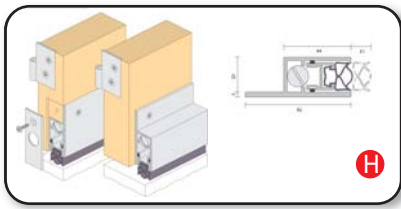


A weather and acoustic seal suitable for rebated frames. RP94Si is quick and easy to install, either mitred or butt jointed to the head and jambs without removing the door. Slotted for installation adjustment, the soft silicon bulb accommodates a tighter seal and with a tamper proof cover strip, provides a fit and forget feature.

Location: Head and jambs of single or double broad butt hinged doors.
Min/Max Gap: 0mm/6mm.
Seal Unit Lengths: Single door sets (1x1000, 2x2100), Long set (1x1000, 2x2750). Double door sets (3x2100), Long set (1x2000, 2x2750). 250mm increments to 5000mm.



DOOR BOTTOM SMOKE SEAL RP38Si



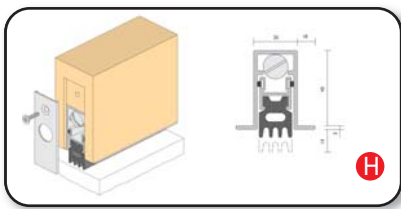
A medium temperature smoke door bottom seal with an extruded silicon sealing component. The RP38Si is a heavy duty automatic seal which is spring loaded to lift clear of the floor as soon as the door leaf is opened by a few millimetres. The seal is operated automatically by pressure against the door 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 Size: (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.



DOOR BOTTOM SMOKE SEAL RP70Si

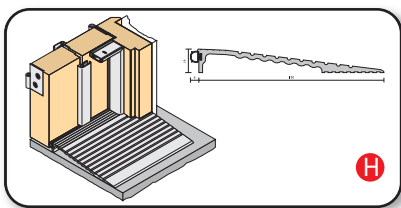


The RP70Si automatic door seal is the fully morticed version of the RP38Si door seal. When using RP70Si door bottom seal, the door must be a minimum of 45mm thick and of suitable construction for morticing this seal. It is reversible for left and right handed operation. Location: Single or double butt hinged doors, minimum thickness 45mm.

Min/Max Gap: Up to 13mm.
Seal Size: (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.
Note: For double doors, plain meeting stiles are required.



THRESHOLD SMOKE SEAL RP97Si

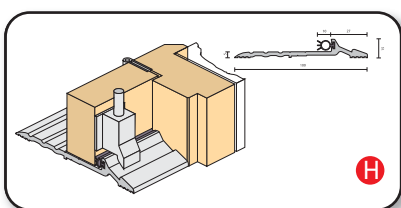


A threshold plate seal particularly suited for outward opening butt hinged plant room and emergency exit doors. When used in conjunction with RP93Si and RP16Si an excellent smoke and acoustic system is achieved. For acoustic applications the void under the RP97Si should be filled with sound foam or other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

Location: Door sills abutting outward opening butt hinged plant room or emergency exit doors.
Min/Max Gap: Compression of seal 0mm/2mm. Seal 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).



THRESHOLD SMOKE SEAL RP117Si



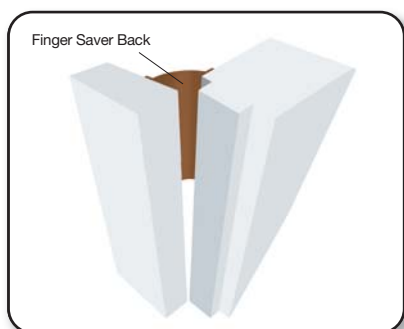
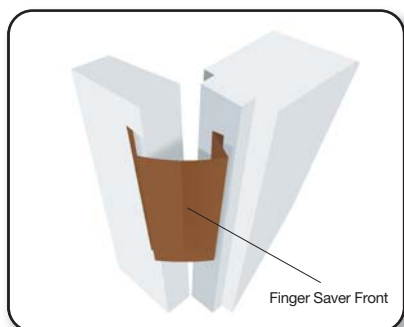
The RP117Si is a weather, smoke and acoustic threshold plate seal suited to outward opening butt hinged doors. It is ideal for use with a panic type exit device (by others). For acoustic applications the void under the threshold should be filled with sound foam or other suitable material (by others).

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.



TRADE NAME: ASTRO FINGER SAVER

FINGER SAVER FRONT & BACK



Prevents fingers being trapped in a gap between the frame and the rear edge of the door. Extremely durable and maintenance free. Impact resistant, 10 colours ex-stock. Fits most door types. Wipe clean finish.

Astro Finger Saver is a door safety accident prevention product that blocks the cavity formed between the edge of the door and door frame and prevents fingers entering the cavity by means of a folding finger safety device and also acts as a secondary draught excluder. Once fitted it ensures that fingers are safe from painful finger trapping injuries. Finger Saver can be fitted to most types of doors including wood, metal and UPVC.

Extremely simple to install and has a long life expectancy and can be easily removed and refitted for door painting. Doors are used

everyday by everybody but they are potentially dangerous and according to ROSPA there are over 30,000 finger injuries every year. Teachers, parents, and carers have become increasingly aware of the danger of children trapping their fingers in closing doors and to avoid accidents recent legislation BS7036 Part 4: item 71 recommends "the use of a Finger Saver that either fills the finger trap or minimises the gap so as not to create a finger trap."

A must for every home residence. For total protection from finger trapping injuries in doors purchase the Finger Saver set.

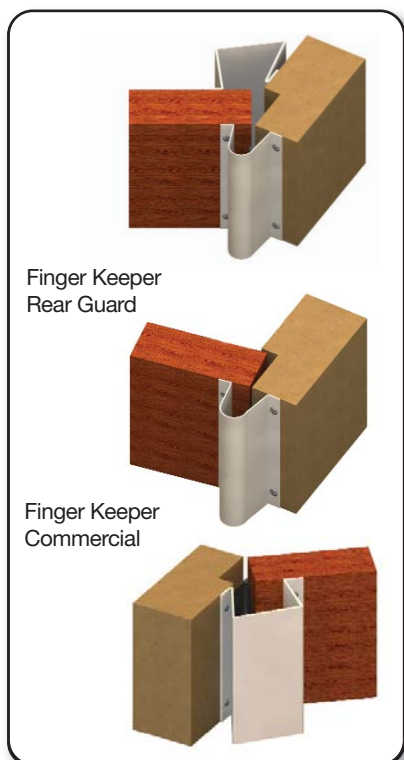
Size: 1980mm Ex-Stock, longer lengths P.O.A. Availability: Brown, White, Red, Black, Cream, Grey, Blue, Teak, Beech and Beige. Available to order in any quantity.

To Order & Specify Please quote Quantity/Trade name/Size/Colour/Product Ref Typical wording - 10 / ASTRO FINGER SAVER / WHITE / AFFSAVV

COLOUR	FINGER SAVER FRONT	FINGER SAVER BACK	FINGER SAVER SET
BROWN	AFFSAVB	AFFSAVBH	AFFSAVBSET
WHITE	AFFSAVV	AFFSAVWH	AFFSAVVSET
RED	AFFSAVR	AFFSAVRH	AFFSAVRSET
BLACK	AFFSAVBLK	AFFSAVBLKH	AFFSAVBLKSET
CREAM	AFFSAVC	AFFSAVCH	AFFSAVCSET
GREY	AFFSAVG	AFFSAVGH	AFFSAVGSET
BLUE	AFFSAVBLU	AFFSAVBLUH	AFFSAVBLUSET
TEAK	AFFSAVTK	AFFSAVTKH	AFFSAVTKSET
BEECH	AFFSAVBEE	AFFSAVBEEH	AFFSAVBEESET
BEIGE	AFFSAVBEI	AFFSAVBEIH	AFFSAVBEISET

TRADE NAME: ASTRO FINGER KEEPER

FINGER KEEPER COMMERCIAL & FINGER KEEPER COMMERCIAL REARGUARD



Every year, according to ROSPA, over 30,000 children are injured in the UK as a result of trapping their fingers in doors. Finger Keeper is an accident prevention product. To prevent the trapping of fingers in doors and many types of external gates.

The Finger Keeper device prevents finger trapping accidents by totally covering the gap that is created on the hinge or the rear side of a door when it is in the open position. The devices can be fitted to most types of doors including wood, metal and UPVC type doors which open to 160 degrees.

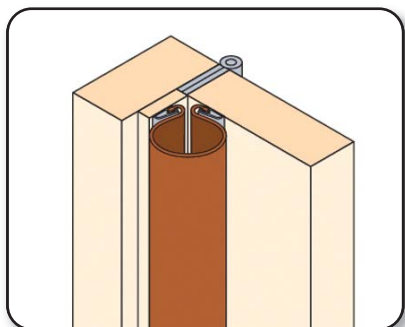
The devices are considered to be neat and unobtrusive. The product is extremely simple to install and has a long life expectancy and can be easily removed and refitted, no glue or nails required. 10 colours available. Use rearguard in conjunction with the Finger Keeper, the risk of finger trapping accidents is totally eliminated, thus making your doors 100% safe. Finger Keeper and Finger Keeper rear hinge guard are manufactured in the EU, meeting the highest quality standard in compliance with ISO 9001:2008. Now available in a 4 panel version in white and brown for doors that open greater than 180°.

Finger Keeper Commercial & Rearguard Sizes 1960mm

COLOUR	FINGER KEEPER	FK REAR GUARD	FK SET BOTH SIDES
WHITE	AFFKWH	AFFKWHH	AFFKWHSET
BROWN	AFFKBR	AFFKBRH	AFFKBRSET
RED	AFFKRED	AFFKREDH	AFFKREDSET
BLACK	AFFKBLK	AFFKBLKH	AFFKBLKSET
BEIGE	AFFKBEI	AFFKBEIH	AFFKBEISET
GREY	AFFKGR	AFFKGRH	AFFKGRSET
YELLOW	AFFKYELL	AFFKYELLH	AFFKYELLSET
BLUE	AFFKBLU	AFFKBLUH	AFFKBLUSET
TEAK	AFFKTK	AFFKTKH	AFFKTKSET
BEECH	AFFKBEE	AFFKBEEH	AFFKBEESET
WHITE	AFFKWHX	WIDE FOUR PANEL DESIGN	
BROWN	AFFKBRX	WIDE FOUR PANEL DESIGN	

TRADE NAME: ASTRO FINGER GUARDIAN

FINGER GUARDIAN FRONT & BACK

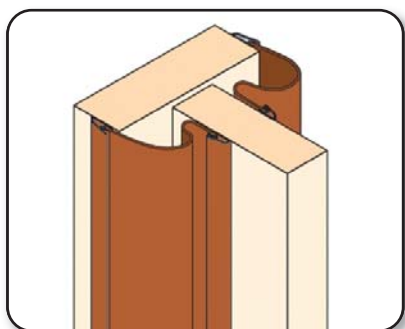


Suitable for Butt Hinged & Pivot Doors. Up to 180 Degree opening. Left & Right handed opening doors. Slim line Design. 9 Colours.

Astro Finger Guardian is a door hinge safety system that has been designed to prevent 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 after easy fitting requires no maintenance other than a wipe down with a damp cloth for cleaning.

Easy to install, no specialist tools or equipment and aesthetically pleasing slim-line design. Finger Guardian comes in Front to fit 180° door openings and a rear device. Sold individually or available to order in any quantity. Seal Length: 1950mm. **Also available in SteriTouch material for reduction of bacteria and other germs POA**



COLOUR	GUARDIAN FRONT	GUARDIAN REAR	GUARDIAN SET
BROWN	AFFGUBRNF	AFFGUBRNR	AFFGUBRNSET
BLACK	AFFGUBLKF	AFFGUBLKR	AFFGUBLKSET
WHITE	AFFGUWHTF	AFFGUWHTR	AFFGUWHTSET
BLUE	AFFGUBLUF	AFFGUBLUR	AFFGUBLUSET
GREY	AFFGUGRYF	AFFGUGRYR	AFFGUGRYSET
OAK	AFFGUOKF	AFFGUOKR	AFFGUOKSET
ASH	AFFGUASHF	AFFGUASHR	AFFGUASHSET
BEECH	AFFGUBEEF	AFFGUBEER	AFFGUBEESET
MAPLE	AFFGUMAPF	AFFGUMAPR	AFFGUMAPSET

Contact us for SteriTouch anti-bacterial finish.

To Order & Specify Please quote
Quantity/Trade name/Product ref/Colour
Typical wording - 10/ASTRO FINGER
GUARDIAN/AFFGUBRN/Brown

TRADE NAME: ASTRO ALUSLIDE FINGER GUARD

ALUMINIUM FINGER GUARD FOR DOORS



Durable all Aluminium construction for longest working life. Fit-for-purpose in severe duty environments such as schools and hospitals. Easy wipe clean surface to combat Healthcare Associated Infections (HCAI). Better rigidity and impact resistance than plastic based guards. Low maintenance needs. Retrofits to existing doors. Quick Installation with normal hand tools.

AluSlide is a heavy duty finger guard for doors in high traffic areas. The all aluminium construction makes this guard suitable for situations where plastic types will prove uneconomical in the longer term.

In heavy duty environments plastic guards may need replacing within 6 - 24 months of installation whereas this guard will perform as

intended for years. The smooth surface design makes for easy wipe-down cleaning.

The rigidity of the guard prevents it from deflecting even under persistent finger pressure. The door surface material must be able to accept 25mm No. 8 screws. The main body of the finger guard is fixed to the door frame at one side and the other side slides across two runner plates fixed to the doors. Opening angle up to 100°. Suitable for single swing doors up to 54mm thick.

Availability
Lengths : 1800 mm or 1925mm.
Colours: Anodised Aluminium finish.
Available to order in any quantity.
RAL colours are available subject to minimum order quantity - please ask.

To Order & Specify Please quote
Quantity / Trade name / Size / Product Ref
Typical wording - 10 / ASTRO AluSlide Finger Guard /
1800 / AFFGALU

ITEM	LENGTH	COLOUR	PRODUCT CODE
ASTRO ALUSLIDE FINGER GUARD	1800MM	ANODISED ALUMINIUM	AFFGALU
ASTRO ALUSLIDE FINGER GUARD	1925MM	ANODISED ALUMINIUM	AFFGALUX

TRADE NAME: ASTRO FINGER KEEPER INDUSTRIAL

FINGER KEEPER INDUSTRIAL



- Particularly targeted at creches, pre-schools, nurseries, schools, colleges, hotels, restaurants, residential homes or any facility open to the public.
- Use Astro Finger Keeper Industrial to create the safest working environment and avoid potentially costly and disruptive injuries.
- Universal - will suit left or right hand opening doors, also suitable for fire doors.
- **Ideal for gate automation.**

which prevents fingers being jammed on the hinge side of a door. It is fixed to the door and the jamb on the hinged side. Ideal for heavy robust uses. Location: Butt hinged or centre pivot door. Seal Lengths: 2100mm or 2500mm. Standard Finish: Anodised Satin Clear holder. Black EPDM rubber seal. Standard blind is 157mm wide, wide blind is 216mm. Push-in cover strip. Wider blind for larger door openings - now available.

Anti Finger Jamb: A rubber EPDM safety strip

ITEM	COLOUR	CODE	SIZE
FINGER KEEPER INDUSTRIAL	ALUMINIUM/BLACK	AFFKIND	2100MM
FINGER KEEPER INDUSTRIAL	ALUMINIUM/BLACK	AFFKINDX	2500MM
FINGER KEEPER INDUSTRIAL WIDE BLIND	ALUMINIUM/BLACK	AFFKINWB	2100MM
FINGER KEEPER INDUSTRIAL	ALUMINIUM/BRN/WHT	AFFKINDPVC	2100MM

TRADE NAME: ASTRO FINGER DEFENDER

FINGER DEFENDER



Prevents fingers being trapped in a gap between the frame and the rear edge of door. Acts as a light door closing mechanism. Extremely durable and maintenance free. Tested to over 1 million open & closing cycles. Fits any door up to 180° opening. Impact resistant, aluminium housing can be colour coated to any RAL number. Doors are used everyday by everybody but they are potentially dangerous and according to Rospa there are over 30,000 finger injuries every year. Teachers, parents, and carers have become increasingly aware of the danger of children trapping their fingers in closing doors and to avoid accidents recent legislation BS7036 Part 4: item 7.1 recommends the use

of a finger defender that either fills the finger trap or minimises the gap so as not to create a finger trap. Astro Finger Defender is a high quality, resilient blind that prevents fingers entering the cavity formed between the edge of the door and door frame. The blind is mounted in a robust aluminium housing unlike a concertina style blind, which is constantly exposed and can suffer damage as a result.

Colours: Silver Anodised Finish, Dark Bronze or White. Colour coated to any Ral Colour. Blind black only. Lengths: 1925mm
Availability: to order in any quantity.

To Order & Specify Please quote
Please quote - Quantity/Trade
name/Size/Colour/Product Ref
Typical wording - 10 / ASTRO FINGER DEFENDER /
SAF / AFFDEFSAF
Please quote
Quantity/Trade name/Size/Colour/Product Ref
Typical wording - 10 / ASTRO FINGER DEFENDER /
COLOUR RAL 8109 / AFFDEFCOL
Test Reports
Tested to over 1 million open & closing cycles

ITEM	COLOUR	CODE	SIZE
FINGER DEFENDER	SILVER	AFFDEFSAF	1925MM
FINGER DEFENDER	DARK BRONZE	AFFDEFDB	1925MM
FINGER DEFENDER	WHITE	AFFDEFWHT	1925MM
FINGER DEFENDER	COLOUR	AFFDEFCOL	1925MM

TRADE NAME: ASTRO FINGER PROTECTA

FINGER PROTECTA



- Extremely durable and maintenance free
 - Tested to over 1 million open & closing cycles
 - Fits any door up to 180° opening
 - Suitable for Automatic Doors
 - Suitable for most single or double-action doors
- Astro Finger Protecta is a high quality, resilient blind that prevents fingers entering the cavity formed between the edge of the door and door frame. The blind is mounted in a robust aluminium housing unlike a concertina style blind, which is

constantly exposed and can suffer damage as a result. A robust housing protects Astro Finger Protecta when not in use. Independently tested to over 1 million opening & closing cycles and prevents fingers entering the cavity formed between the door and the frame by means of an inflammable blind, which opens and closes with the action of the door. Colours: Silver Anodised Finish, Dark Bronze or White. Lengths: 1925mm. Availability: to order in any quantity.

To Order & Specify Please quote
Quantity/Trade name/Size/Colour/Product Ref
Typical wording - 10 / ASTRO FINGER PROTECTA /
SAF / AFFPROSAF

ITEM	COLOUR	CODE	SIZE
FINGER PROTECTA	SAA SILVER	AFFPROSAF	1925MM
FINGER PROTECTA	DARK BRONZE	AFFPRODB	1925MM
FINGER PROTECTA	WHITE	AFFPROWHT	1925MM

TRADE NAME: ASTRO DL COVER

INTUMESCENT ACOUSTIC DOWNLIGHTER COVER



To Order & Specify Please quote
Quantity/Trade Name/Product Ref
For Example

10/Astro DL Cover/AFDLCOV5

Testing Certification

BSEN1365-2 2000 by BRE Report No. CC203791A.
BS476 Part 23 by Chiltern International Fire Report
No. Chilt/A02166B. BS476 Part 23 by Chiltern
International Fire Report No. FEA/F00063. Acoustic
Test by BRE. Approved NHBC Type Approval

NHBC Type Approval. Tested to BSEN1365-2 2000 and BS476 Part 23. 60 minute fire rating. Acoustic rated. Light weight and flexible cover. Can be fitted from below or above the ceiling. Ventilated to reduce heat build up. No additional supported required. Can be used in suspended, plasterboard or concrete ceilings. Covers a wide range of mains and low voltage downlighters. Prevents fire from penetrating the ceiling void and retains ceilings fire protection integrity. Provides a highly insulating stable char when exposed to fire. Maintenance free once fitted downlighter can be fitted as normal.

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.

O/D X H	DOWNLIGHTER CUTOUT SIZE D	CODE
150 X 150	50 - 75	AFDLCOV5
200 X 200	75 - 100	AFDLCOV6
250 X 250	100 - 140	AFDLCOV7
300 X 170	140 - 270	AFDLCOVXL
350 X 230	140 - 270	AFDLCOVXXL

TRADE NAME: ASTRO LC LOFT CONE

FIRE RATED LOFT CONE VAPOUR SEAL



To Order & Specify Please quote
Quantity/Trade Name/Product Ref
For Example 12no/Astro LC Loft Cone/AFLOFTCON

Testing Certification

The Astro LC Loft Cone has undergone thermal testing by the Lighting Association: Thermal test BS EN 60598 Section 12.4 and BS 476 Part 20

Flanged Fire Hood 30 minute fire rated. 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. Suitable for use on aluminium reflector and dichroic reflector lamps upto 50W. Thermal test BS EN 60598 Section 12.4 and BS 476 Part 20.

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.

ITEM	PRICE UNIT	SIZE	PRODUCT CODE	QUANTITY
LOFT CONE	1	240 X 160MM	AFLOFTCON	1

TRADE NAME: ASTRO LUMI COVER

FIRE RATED LUMINAIRE COVERS



ACOUSTIC RATED



NHBC Type Approval. Tested to BS476 Part 23 30 or 60 minute fire rating. No clips, screws, drilling or additional support required. Maintains the fire protection performance of the ceiling and prevents fire from penetrating the ceiling void. Sizes to fit a wide range of modular fittings up to 1200 x 600mm.

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 ceilings 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.

Areas Of Use: 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. It incorporates ventilation slots to reduce any potential for heat build up in the light fitting. In a fire situation the covers intumescent materials expand to fill all the slots with a fire resistant highly insulating char, preventing the fire from penetrating the ceiling. 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.



To Order & Specify Please quote Quantity/Trade Name/Product Ref
For Example

10/AstroLUMICOV/AFLUMICOVS

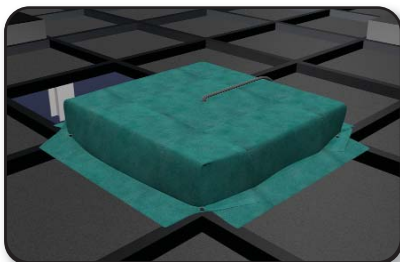
Testing Certification

BS476 Part 23 by Chiltern International Fire Report No. Chilt/A04038. NHBC Type Approval

	SIZES	CODE
SQUARE	600MM X 600MM	AFLUMICOVS
RECTANGULAR	1200MM X 600MM	AFLUMICOVL

TRADE NAME: ASTRO LUMI CANOPY

FIRE RATED LUMINAIRE CANOPY



Tested to BS 476 Part 20 and 23. 60 min rated. LPC accredited. Lightweight. Self supporting. Resistant to tear and abrasion. Simple to install. Can be fitted from above or below. Suitable for suspended and modular ceilings. Certifire approved.

Astroflame luminaire canopies are designed to specifically stop the passage of smoke and fire through a fire rated ceiling, where recessed lightboxes are fitted. Tests have shown that without the canopy in place, fire and smoke

would penetrate through the recessed light fitting in seconds, spreading into the void or room above, endangering both lives and property.

The Astro lumi canopy will provide 60 minutes protection by completely containing the fire and smoke within the cover, whilst at the same time allowing the heat from the light fitting to dissipate through the cover. Fully tested to BS Standard 476 part 20 and 23 clause 5. The Astro lumi canopy also meets the requirements of class 0 materials.



To Order & Specify Please quote Quantity/Trade Name/Product Ref/Size
For Example

10/Astro LUMI CANOPY/AFLUMICANL/LARGE

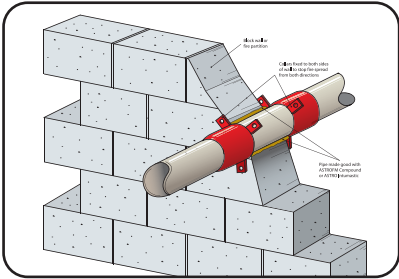
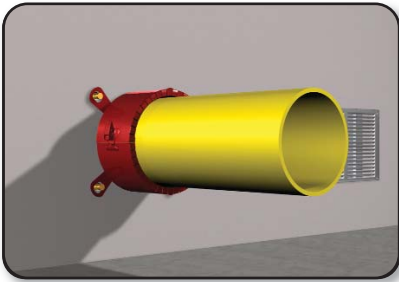
Testing Certification

BS476 Part 20 & 23 by the Loss Prevention Council

	ASTRO LUMI CANOPY SIZES	CODE
SMALL	300 X 300 X 150MM	AFLUMICANS
MEDIUM	600 X 300 X 150MM	AFLUMICANM
LARGE	600 X 600 X 150MM	AFLUMICANL
XLARGE	1200 X 300 X 150MM	AFLUMICANXL
XXLARGE	1200 X 600 X 150MM	AFLUMICANXXL

TRADE NAME: ASTRO COLLAR

INTUMESCENT PIPE COLLAR



To Order & Specify Please quote
Quantity/Trade Name/Product Ref/Size/Rating
For Example
10/AstroCollar/afpc55/2e/55mm/2 HOUR
Testing Certification
Tested to BS476 Part 20 / EN 1366-3. NHBC Type Approval

Tested to BS476: Part 20 and EN 1366-3. For use on UPVC, CPVC, ABS, MDPE, HDPE and PP pipes. Up to 4 hours fire resistance. Surface mounted, cast or semi cast applications NHBC Type Approval.

Our pipe collars are manufactured from a high performance material inside of a steel sleeve, which on exposure to heat from a fire will 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:

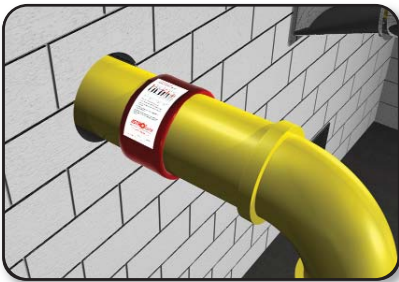
Part 20: 1987 and EN 1366-3, Astro E Collar can provide 2 hour fire resistance for UPVC pipes or the Astro P Collar offers up to 4 hour resistance for UPVC, ABS, MDPE, HDPE plus PP.

Our 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, and anywhere plastic soil and waste pipes pass through fire compartment walls and floors. Astroflame Pipe Collars are available in custom sizes from 32mm to 355mm. Contact technical for help.

	2 HOUR - ECONOMY	4 HOUR - PREMIUM
32MM	AFPC32/2E	AFPC32/4P
40MM	AFPC40/2E	AFPC40/4P
55MM	AFPC55/2E	AFPC55/4P
63MM	AFPC63/2E	AFPC63/4P
75MM	AFPC75/2E	AFPC75/4P
82MM	AFPC82/2E	AFPC82/4P
90MM	AFPC90/2E	AFPC90/4P
110MM	AFPC110/2E	AFPC110/4P
125MM	AFPC125/2E	AFPC125/4P
160MM	AFPC160/2E	AFPC160/4P
200MM	AFPC200/2E	AFPC200/4P
225MM	AFPC225/2E	AFPC225/4P
250MM	AFPC250/2E	AFPC250/4P
300MM	AFPC300/3E	N/A
315MM	AFPC315/3E	N/A
355MM	AFPC355/2E	N/A

TRADE NAME: ASTRO WRAP

INTUMESCENT PIPE WRAPS



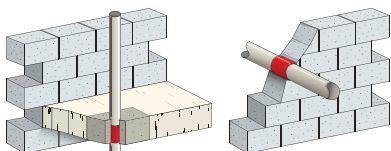
To Order & Specify Please quote
Quantity/Trade Name/Product Ref/Size/Rating
For Example
20/Astro wrap/afipw110/4/110mm/4hour
Testing Certification
Tested to BS476 Part 20 / EN 1366-3.
NHBC Type Approval

Tested to BS476: Part 20: and EN 1366-3. To 2 or 4 hour rated. Easy to fit and are unaffected by moisture, humidity or frost, but care should be taken so as to avoid damaging the outer polythene sleeve. NHBC Type Approval. Certifire Approval.

Flexible strips of high performance intumescent material encapsulated in a polythene sleeve designed for wrapping around plastic pipes that pass through masonry floors and walls.

On exposure to fire the wrap expands rapidly inwards to squeeze the collapsing plastic pipe until the aperture is completely sealed. The wraps have been independently tested in accordance with BS476: Part 20: 1987 and EN 1366-3 and can provide up to 4 hours fire resistance. Astroflame Pipe Wraps can be custom made to suit any size of pipe between 32mm and 200mm in size.

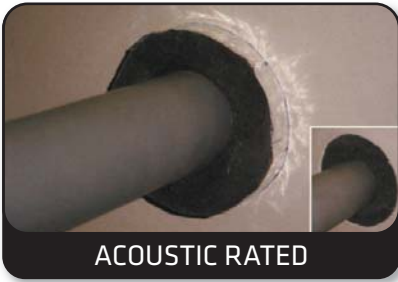
Contact technical for help.



	2 HOUR	4 HOUR
32MM	AFIPW32/2	AFIPW32/4
40MM	AFIPW40/2	AFIPW40/4
55MM	AFIPW55/2	AFIPW55/4
63MM	AFIPW63/2	AFIPW63/4
75MM	AFIPW75/2	AFIPW75/4
82MM	AFIPW82/2	AFIPW82/4
90MM	AFIPW90/2	AFIPW90/4
110MM	AFIPW110/2	AFIPW110/4
125MM	AFIPW125/2	AFIPW125/4
160MM	AFIPW160/2	AFIPW160/4
200MM	AFIPW200/2 (2HOUR)	N/A

TRADE NAME: ASTRO THERMAL FIRE PS

THERMAL FIRE PIPE SLEEVE



To Order & Specify Please quote Quantity/Trade Name/Product Ref/Size/Rating
For Example
 10/AstroTHERMALFIREPS/AFIPS17/2E/17MM/2 HOUR
Testing Certification
 Polymeric pipes through a mineral fibre batt BS476 Part 22. Metallic and polymeric pipe passing through plasterboard wall and solid floor BS476 Part 22. NHBC Type Approval.

Tested to BS476: Part 20&22. Excellent acoustic insulation Suitable for a wide range of plastic, copper and mild steel pipes. Suitable for fire partitions walls and floors. Allows for thermal movement of pipe and maintains the thermal insulation of the pipe through the penetration. NHBC Type Approval. 2 hour rated.

In a fire situation the sleeve expands to fill the available space between the pipe and penetration.

In the case of plastic pipes the sleeve will crush and close off the pipe forming a solid char and preventing passage of fire and smoke to the adjacent compartment.

Tested on the following pipe sizes.

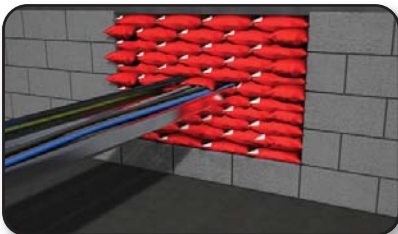
Copper	12mm - 160mm
Mild Steel	22mm - 160mm
Plastic	55mm - 160mm

2 HOUR			
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	127MM	AFIPS127/2E
54MM	AFIPS54/2E	140MM	AFIPS140/2E
60MM	AFIPS60/2E	159MM	AFIPS159/2E
67MM	AFIPS67/2E	169MM	AFIPS169/2E
76MM	AFIPS76/2E		

PIPE	BLOCKWORK WALL	SOLID FLOOR	MINERAL BATT	PLASTERBOARD WALL
12MM CPR	•	•		•
160MM CPR	•	•		•
22MM MLD STL	•	•		•
160MM MLD STL	•	•		•
12MM POLYBUTYLENE	•	•	•	•
28MM POLYBUTYLENE	•	•	•	•
55MM PVC	•	•	•	•
82MM PVC	•	•	•	•
110MM PVC	•	•	•	•
160MM PVC	•	•	•	•

TRADE NAME: ASTRO PILLOW

INTUMESCENT PILLOWS



Tested to BS476: Part 20 and EN 1366-3. Up to 4 hours fire resistance. Available in 4 standard sizes. Easy to install and re-locate. Removeable for re-use. For wall or floor penetrations. Dust proof: safe for the work environment, protects cable trays and ducts. Metal Pipework. Cable Trays. Electrical Trunking. NHBC Type Approval. Certifire Approval.

Manufactured from a hard wearing specially treated glass cloth filled with a mixture of mineral fibre and reactive expansion agents, which on exposure to heat from a fire will first expand and then harden 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 rated structures. The pillows have been independently

tested in accordance with BS476: Part 20: 1987 and EN 1366-3 and can provide up to 4 hours fire resistance. They contain no asbestos or halogens and therefore can be used in areas such as telephone exchanges, computer rooms and in areas where services are continually being modified. They are quick and easy to fit and can be removed for re-use or to allow new services to be passed through the penetration, to maintain the integrity of the structure simply re-fill the void with the pillows. In all situations the pillows should be fitted in a staggered formation and be packed tightly into the opening. If the pillows are to be used in a floor penetration we recommend that a support mesh must be used.

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



To Order & Specify Please quote Quantity/Trade Name/Product Ref/Size
For Example
 60/Astro Pillow/AFFPL/Large
Testing Certification
 BS476 Part 20 EN 1366-3. NHBC Type Approval

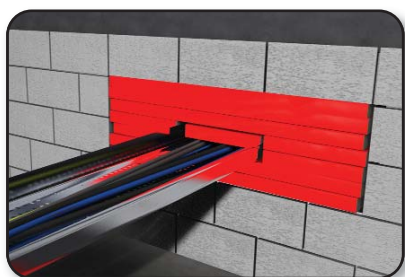
TYPE	SIZE	CODE
LARGE	300MM X 200MM X 40MM	AFFPL
MEDIUM	300MM X 150MM X 40MM	AFFPM
SMALL	300MM X 100MM X 40MM	AFFPS
SAUSAGE	300MM X 50MM X 40MM	AFFPSAS

SIZE	QUANTITY PER METRE SQUARE
LARGE	160
MEDIUM	210
SMALL	315
SAUSAGE	640

Wall penetrations 4 hours up to 1000 x 1000. Floor penetrations 2 hours up to 1000 x 1000.

TRADE NAME: ASTRO FS BLOCK

FIRE STOP BLOCK



To Order & Specify Please quote
Quantity / Trade Name / Product Ref.

For Example

10 / Astro FS Block/ AFFSBLOCK

Testing Certification

Tested to BS EN 1363-1:1999 for up to 120 minutes

Test Report No: IF011059 Chiltern Int. Fire

E1120 on up to 100x100mm PVC Trunking

E1120 on up to 150x150mm Steel Trunking

E120 on Cable Basket and various Cable Types

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.

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.

Fire Test or Assessment Reports.

Tested to BS EN 1363-1:1999 for up to 120 mins.

Test Report No: IF011059 Chiltern Int. Fire

E1120 on up to 100x100mm PVC Trunking

E1120 on up to 150x150mm Steel Trunking

E120 on Cable Basket and various Cable Types.

NAME	DIMENSIONS	PRODUCT CODE
ASTRO FS BLOCK	30.0 X 150.0 X 1000MM	AFFSBLOCK

TRADE NAME: ASTRO TDW

THERMAL DEFENSE WRAP



To Order & Specify Please quote
Quantity / Trade Name / Product Ref.

For Example

10 / Astro Thermal Defense Wrap / AFTDW/size

Testing Certification

Tested BS476 pt. 20 / BS-EN1366 pt. 3

Fire resistance up to 2 hours. Tested BS476 pt. 20 / BS-EN1366 pt. 3. Remains flexible between -10 to +160°C. Continued flexibility without ageing. Speed and ease of installation. Easy to wrap, shape and cut. Varying thicknesses to suit requirements. High level of insulation. High temperature stability.

Thermal Defense Wrap is an intumescent fire stop product for fire protecting pipework services. Thermal Defense Wrap has been developed to prevent the passage of fire and smoke between fire rated compartments where there is a service penetration.

TD Wrap is designed to allow the movement of services in use, maintain necessary insulation on services and prevent temperature rise of service on the cold face. TD Wrap

remains flexible at normal temperatures to permit thermal and mechanical movement of the services.

The pipe wrap material is based on non-woven, intumescent technology of bio-soluble vitreous fibres, graphite and flexible organic binders that are fire activated to maintain compartmentalization for 2 hours.

Standard Sheet Size: 300mm wide x 1500mm long x 6mm. We can supply in different roll sizes or cut to size. Density: 180Kg/m³ - 250Kg/m³. Alufoil Thickness: 0.25mm. Fire Resistance: Nominal 2 hours - BS476 pt20 / BS-EN1366 pt 3. Activation Temperature: 170 °C. Expansion Ratio: TD5 = 5:1 & TD9 = 9:1. Colour: Mottled Grey. Thermal Conductivity (U Value): N/A. Acoustic Performance: N/A.

NAME	DIMENSIONS	PRODUCT CODE
ASTRO TDW	300MM WIDE X 1500MM LONG X 6MM	AFTDW
ASTRO TDW	CUSTOMER SPECIFIED	-

TRADE NAME: ASTRO FR CEILING VALVE

FIRE RATED CEILING AIR VALVE



Meets the requirements of Building Regulations Document B. Maintains Integrity of Fire Rated Ceilings for up to 60 minutes. Alternative to more expensive Metal Fire Rated Valves / Fire Dampers. Fits in the same way as a normal air valve. Air Flow is unaffected. Easy to retro-fit in place of existing valves. Highly cost effective. 3 sizes available.

The popularity of whole house ventilation and controlled ventilation is increasing. This results in an increased number of penetrations through fire compartment walls and floors producing open pathways for the passage of both smoke and fire.

Recessed ceiling air valves are now widely used in both domestic and commercial buildings. Ceilings must be fire protected in accordance with Approved Document B of the Building Regulations. Ceiling air valves, if left unprotected, allow a fire to spread rapidly through a building.

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

To Order & Specify Please quote
QTY / TRADENAME / PRODUCT REF / SIZE
For Example
8no / Astro FR Ceiling Valve / AFFRCV125
or
2 packs / Astro FR Ceiling Valve / AFFRCV125
Testing Certification
Successfully tested for 60 minutes according to BS476. Test Report Number: IF10090 / Chiltern Fire.

ITEM	DIAMETER	PRODUCT REF
ASTRO FR CEILING VALVE	80MM	AFFRCV80
ASTRO FR CEILING VALVE	100MM	AFFRCV100
ASTRO FR CEILING VALVE	125MM	AFFRCV125

TRADE NAME: ASTRO DUCT WRAP

INTUMESCENT DUCT WRAP



To Order & Specify Please quote
Quantity/Trade Name/Product Ref/Size/Rating
For Example
10/AstroDUCTWRAP/AFIDW110/110mm/2hour
Testing Certification
Tested to BS 476 Part 20 and 22. Up to 2 hours fire resistance. For use on UPVC, PB flat ducting. NHBC Type Approval

Tested to BS 476: Part 20&22. Up to 2 hours fire rated. Astroflame Duct Wraps are economical, easy to fit and are unaffected by moisture, humidity or frost. NHBC Type Approval.

Flexible strips of high performance intumescent material encapsulated in a polythene sleeve designed for wrapping around plastic ducting that passes through brick or blockwork walls. On exposure to fire the Duct Wrap expands

rapidly inwards to squeeze the collapsing duct until the aperture is completely sealed. The Duct Wraps have been independently tested in accordance with BS 476 Part 20 and 22: 1987 and can provide up to 2 hours fire resistance dependent on application. The Duct Wraps are cut into 4 sections and then sleeved to help ease of fitting around rectangular ducting. Astroflame Duct Wraps are economical, easy to fit and are unaffected by moisture, humidity or frost.

CODE	DUCT SIZE
AFIDW110	110 X 54MM
AFIDW150	150 X 70MM
AFIDW180	180 X 90MM
AFIDW204	204 X 60MM
AFIDW215	215 X 25MM
AFIDW220	220 X 55MM
AFIDW225	225 X 25MM
AFIDW234	234 X 29MM
AFIDW300	300 X 25MM
AFIDW308	308 X 29MM

TRADE NAME: ASTRO DS DUCT SLEEVE

INTUMESCENT DUCT SLEEVE



2 Hour fire rating to BS 476. 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. Sleeve can be easily fitted only requiring access from one side. Allows the thermal movement of the duct. Simple to install without special tools or skills.

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. 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.

The Astroflame range of Astro DS duct sleeves are intended for use where a ventilation duct

To Order & Specify Please quote
Quantity/Trade name/Product Ref/Size

For Example

10/Astro DS Duct Sleeve/AFDS204/204MM

Testing certification

ASTROFLAME DS Duct Sleeve have undergone and passed testing inline with BS476 Part 22:1987 at Chiltern International Fire.

Astro DS Duct sleeves are currently available in the following nominal sizes:

ITEM	WIDTH	HEIGHT	LENGTH	REF NO.
DUCT SLEEVE	110MM	54MM	180MM	AFDS110
DUCT SLEEVE	150MM	70MM	180MM	AFDS150
DUCT SLEEVE	204MM	60MM	180MM	AFDS204
DUCT SLEEVE	215MM	25MM	180MM	AFDS215
DUCT SLEEVE	220MM	55MM	180MM	AFDS220
DUCT SLEEVE	225MM	25MM	180MM	AFDS225
DUCT SLEEVE	234MM	29MM	180MM	AFDS234
DUCT SLEEVE	300MM	25MM	180MM	AFDS300
DUCT SLEEVE	308MM	29MM	180MM	AFDS308

TRADE NAME: ASTRO FT SLEEVE

INTUMESCENT FIRE TRUNKING SLEEVE



2 Hour fire rating to BS 476. Suitable for use through a wide range of fire partition walls and floors. Offers excellent acoustic insulation. Maintains the thermal insulation of the pipe through the penetration, easily cut to size to minimize wastage, no mastic is required. Can also be fitted flush to the wall offering a clean wall solution. Sleeve can be easily fitted only requiring access from one side. Sleeves tested for Metallic and polymeric pipe through plasterboard wall and solid floor and polymeric pipes through a mineral fibre batt.

The Astroflame range of Astro FT Fire Trunking Sleeves are intended for use where plastic trunking passes through a fire rated wall. The sleeve reinstates the fire rating of the wall which would otherwise be lost. In the event of a fire, the Astro FT Trunk Sleeve expands with the heat, crushing the trunking and closing off the hole to the fire for at least 2 hours. The FT Trunk Sleeves are available to fit common sizes of plastic trunking and are suitable for retro fitting with access only required from one side. They are suitable for use with plastic trunking or can be used with cabling passed directly through the sleeve. 25mm thick wall.

To Order & Specify Please quote
Quantity/Trade name/Product Ref/Size

For Example

6no Astro Fire Trunking Sleeve / AFFTS50 / 50MM

Testing Certification

Astroflame Fire Trunking Sleeves have undergone and passed testing inline with BS476 Part 22:1987 at Chiltern International Fire.

ITEM	WIDTH	HEIGHT	LENGTH	REF NO.
FIRETRUNK SLEEVE	50MM	50MM	150MM	AFFTS50
FIRETRUNK SLEEVE	100MM	100MM	150MM	AFFTS100

TRADE NAME: ASTRO CT SLEEVE

INTUMESCENT CABLE TRAY SLEEVE



To Order & Specify Please quote
Quantity/Trade name/Product Ref/Size
Typical wording:- 6no Astro Cable Tray Sleeve /
AFCTS125 / 125MM

Fire Test or Assessment Reports

Cable Tray Fire Sleeves have undergone and passed
testing in line with BS476 Part 22:1987 at Chiltern
International Fire

2 Hour fire rating to BS 476. Suitable for use
through a wide range of fire partition walls
and floors. Offers excellent acoustic insulation.
Maintains the thermal insulation of the wall or
floor. Cost effective: easily cut to minimize
wastage, no mastic or foam is required, reducing
on site time. Suitable for retro fitting. Sleeve
can be easily fitted only requiring access from
one side. Allows thermal movement. Simple
to install without special tools or skills.

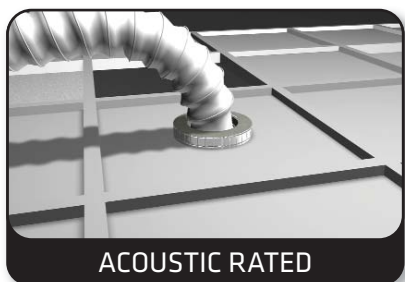
The ASTROflame range of ASTRO CT Cable
Tray Sleeves are intended for use where a
cable tray passes through a fire rated wall or
floor. The sleeve reinstates the fire rating of
the wall or floor which would otherwise be
lost. In the event of a fire, the advanced
ASTRO CT Cable Tray Sleeve will expand with
the heat, closing off any holes or gaps to the
fire for at least 2 hours. The Fire Cable Tray
Sleeves are available to fit all cable tray sizes.

Astroflame Cable Tray Fire Sleeves are currently available in the following nominal sizes:

ITEM	CT WIDTH	SLEEVE WIDTH	LENGTH	PROD CODE
CT CABLE SLEEVE	50MM	100MM	150MM	AFCT100
CT CABLE SLEEVE	75MM	125MM	150MM	AFCT125
CT CABLE SLEEVE	100MM	150MM	150MM	AFCT150
CT CABLE SLEEVE	150MM	200MM	150MM	AFCT200
CT CABLE SLEEVE	225MM	275MM	150MM	AFCT275
CT CABLE SLEEVE	300MM	350MM	150MM	AFCT350
CT CABLE SLEEVE	450MM	500MM	150MM	AFCT500

TRADE NAME: ASTRO ACOUSTIC VENT SLEEVE

ACOUSTIC VENT SLEEVE



To Order & Specify Please quote
Quantity/Trade name/Product Ref/Size
For Example

10 / Astro Acoustic Vent Sleeve AFAVS100
Testing Certification

30 Minute Plasterboard / Timber Ceiling to BS 476 Pt 21
Duration of effective protection - 36 minutes
60 Minute Plasterboard / Timber Ceiling to BS 476
Pt 21. Duration of effective protection - 72 minutes

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. 4 sizes available.

Recessed ceiling fans and ventilation ducts are
widely used in both domestic and commercial
buildings. Ceilings are subject to fire regulations
and must be fire protected in accordance with
Approved Document B of the Building
Regulations. 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. This must be fire
stopped to reinstate the original fire rating of
the ceiling. The popularity of forced / controlled
ventilation is on the rise as it can be more

energy efficient than traditional ventilation
methods. The use of centralised ventilation
units and the heat recovery units results in the
building being subjected to penetration holes
both horizontally and vertically through the
structure, creating pathways for the passage
of both fire and smoke.

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 does not even have 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 all ceiling
mounted fans and vents. The Astro Acoustic
Vent Sleeve is available in 80mm, 100mm,
125mm & 150mm diameters.

DIAMETER	PRODUCT REF
80	AFAVS80
100	AFAVS100
125	AFAVS125
150	AFAVS150

TRADE NAME: ASTRO FRA SOCKET BOX COVER

INTUMESCENT FIRE & ACOUSTIC SOCKET BOX



To Order & Specify Please quote
Quantity/Trade Name/Size/Product Ref
For Example

10/ASTRO FRA SOCKET BOX COVER/SINGLE/AFFRASOCS
10/ASTRO FRA SOCKET BOX COVER/DOUBLE/AFFRASOCD
Fire Test and Assessment Reports
BS476 part 20, BS ENISO 140-3: 1995 & BS 2750 Part
3 1995.

Tested to BS 476 Part 20 for up to 120 minutes. Provides an effective acoustic barrier to both impact and airborne sounds. Prevents or delays fire from entering a wall cavity and attacking the building structure.

The use of recessed switch and socket boxes in walls is widespread in private, public and commercial buildings. The walls are subject to fire regulations and, most will have to be fire rated. However, 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 reduced significantly, in addition the ability for the wall to provide an effective acoustic barrier is also impaired. In timber framed buildings the prevention of fire entering wall cavities and attacking the structure is critical to the overall fire integrity of the building. To combat this Astroflame, as part of its continuing development of passive fire and acoustic protection solutions, has developed a socket / switch fire and acoustic protection cover as an easy fit alternative to putty pads. The covers have been developed to provide maximum protection for penetrations created by the introduction of both single and double recessed switch / socket boxes and to allow ease of fitting. In a fire situation, the cover expands internally to fill all of the available space with a fire resistant highly insulating char. The fire is unable to penetrate the hole and the cover is able to give additional insulation protection to the wall void by reducing the chance of heat build up and the ignition of flammable structural members.

The penetration in the wall also provides a path for air, thus creating heat loss and drafts, the fitting of a ASTRO FRA Socket Box Cover reduces this problem. ASTRO FRA Socket Box Covers have been tested to BS476 part 20 in an un-insulated plasterboard wall construction for 120 minutes without failure in either insulation or integrity. Acoustically tested by BRE to both BS ENISO 140-3: 1995 & BS 2750 Part 3 1995. Available in Single Or Double Socket Sizes.

Key Features & Customer Benefits

- 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.
- Provides an effective acoustic barrier to both impact and airborne sounds.
- The covers are pre-formed to fit the boxes.
- Simple and fast mechanical fixing, no adhesives, no mess.
- Can be retro fitted to existing sockets / switches or fitted during wall construction.
- Replaces time consuming plasterboard lining of sockets / switches
- The switch / socket box can be removed without disturbing or replacing the cover.
- No additional screws, drilling or support required- saves money
- Restores and maintains fire insulation and integrity in plasterboard walls for up to 120 minutes.
- In a wall with two layers of plasterboard on each face, the ends of the fixing wires can be pushed between the plasterboard layers.

TRADE NAME: ASTRO FRA SOCKET BOX INSERT

INTUMESCENT FIRE & ACOUSTIC SOCKET BOX INSERT



To Order & Specify Please quote
Quantity/Trade name/Size/Product Ref
For Example

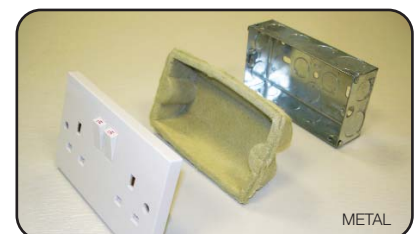
10/ASTRO FRA SOCKET BOX INSERT/SINGLE/STD/AFFRASOCSIN
10/ASTRO FRA SOCKET BOX INSERT/DOUBLE/XTRA DEEP/AFFRASOCDINX
Fire Test & Assessment Reports

ASTRO FRA Socket Box Inserts have been tested to BS476 part 20 in an un-insulated plasterboard wall construction for 120 minutes without failure in either insulation or integrity. BS EN1363-1. Acoustically tested by BRE both BS ENISO 140-3: 1995 & BS 2750 Part 3 1995. BS ENISO 717-1. Air tightness BS EN 1026:2000.

Single and Double socket sizes available. Tested to BS 476 Part 20 for up to 120 minutes. Provides an effective acoustic barrier to both impact and airborne sounds. Easy to install putty pad alternative. Maintains the fire protection performance of the wall - preventing or delaying the spread of fire. Air tight reduces air leakage by 78%. Robust detail approved. Acoustically rated to Rw67dB.

The inserts have been developed to provide maximum protection for penetrations created by the introduction of both single and double recessed switch / socket boxes and to allow ease of fitting. In a fire situation, the inserts flanged design ensures that the fire resistant material remains in place to limit the spread of fire through the socket penetration. The fire is unable to penetrate the hole and the cover is able to give additional insulation protection to the wall void by reducing the chance of heat build up and the ignition of flammable structural members. The penetration in the wall also provides a path for air, thus creating heat loss and drafts, the fitting of a ASTRO

FRA Socket Box Insert reduces this problem. Availability: Single or Double Socket sizes / sold singular or in boxes of 10. Standard Depth: 35mm. For extra deep insert (47mm) add X to the end of the product code.



TRADE NAME: ASTRO CB SLEEVE

INTUMESCENT FIRE & ACOUSTIC CABLE BASKET SLEEVE



To Order & Specify Please quote
Quantity/Trade name/Product Ref/Size
For Example
6no Astro Cable Basket Sleeve / AFCBS100 /100MM
Testing Certification
Cable Basket Fire Sleeves have undergone and passed testing in line with BS476 Part 22:1987 at Chiltern International Fire.

2 Hour fire rating to BS 476. Acoustically rated. No metal sleeving required. Suitable for use through a wide range of fire partition walls and floors. Sleeve can be fitted prior to running cables Available to fit all common cable basket sizes. Suitable for retro fitting. Allows thermal movement.

The use of Cable Baskets is on the increase as the amount of cabling within buildings continues to grow. Cables are routed through a wide variety of building types including apartments, hospitals, hotels and schools. All buildings have walls and floors with fire and acoustic ratings. When cables are installed through such constructions their integrity and ability to perform to the required fire and acoustic standards are significantly reduced.

The ASTROflame range of Intumescent Fire & Acoustic ASTRO CB Cable Basket Sleeves are intended for use where a cable basket passes

through a fire rated wall or floor. The sleeve reinstates the fire rating of the wall or floor which would otherwise be lost.

In the event of a fire, the advanced ASTRO CB Cable Basket Sleeve will expand with the heat, closing off any holes or gaps to the fire for at least 2 hours. The Fire Cable Basket Sleeves are available to fit all cable basket sizes.

The compressible and fully intumescent material provides an effective fire and acoustic seal around both the cables and the cable basket itself. The cable basket sleeves are supplied in a standard length to suit all common wall constructions. The ready to install design does not require any additional metal work or support.

Acoustically Tested in a plasterboard partition system in accordance with BS EN ISO 140-3:1995 and BS EN ISO 717-1:1997

Astroflame Cable Basket Fire Sleeves are currently available in the following nominal sizes:

DESCRIPTION	CABLE BASKET WIDTH (MM) X 54MM HIGH	SLEEVE WIDTH (MM) X 108MM HIGH	LENGTH (MM)	CODE
CB CABLE BASKET SLEEVE	50	108	180	AFCBS50
CB CABLE BASKET SLEEVE	75	133	180	AFCBS75
CB CABLE BASKET SLEEVE	100	158	180	AFCBS100
CB CABLE BASKET SLEEVE	150	208	180	AFCBS150
CB CABLE BASKET SLEEVE	200	258	180	AFCBS200
CB CABLE BASKET SLEEVE	300	358	180	AFCBS300
CB CABLE BASKET SLEEVE	450	508	180	AFCBS450
CB CABLE BASKET INFILL MATERIAL	THICKNESS 20MM	WIDTH 180MM	LENGTH 1000MM	AFCBSIF

FOR DIRECT ACCESS TO THE ASTROFLAME GROUP WEBSITES SIMPLY SCAN THE QR CODE BELOW...

ASTROflame[®]
MANUFACTURERS OF PASSIVE FIRE STOP PRODUCTS



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

ASTROdraft[®]
DRAUGHT & WEATHER SEALS



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

TRADE NAME: ASTRO CLAD VENTILATED FIRE BARRIERS

FIRE RATED CLADDING SEALS



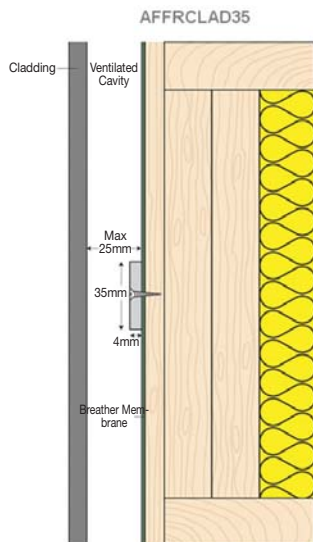
Improves cladding performance. Creates a fire barrier within the cladding. 30-120 minutes rating. Horizontal and Vertical use. Suitable for ventilated cavities from 15mm. Tested to BS 476 Part 20.

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.

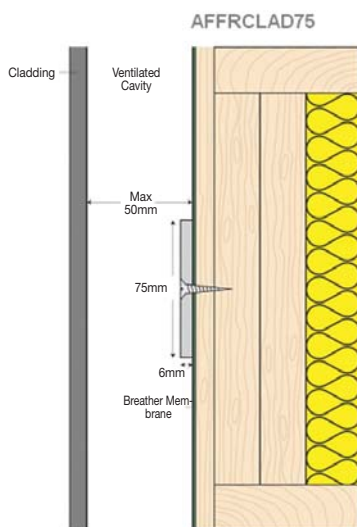


Astro Clad - AFFRCLAD35

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 x 1000mm 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.

To Order Astro Clad Silver
35mm x 4mm x 1000mm
AFFRCLAD35.



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 x 1000mm 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.

To Order Astro Clad Silver
75mm x 6mm x 1000mm
AFFRCLAD75.

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	60

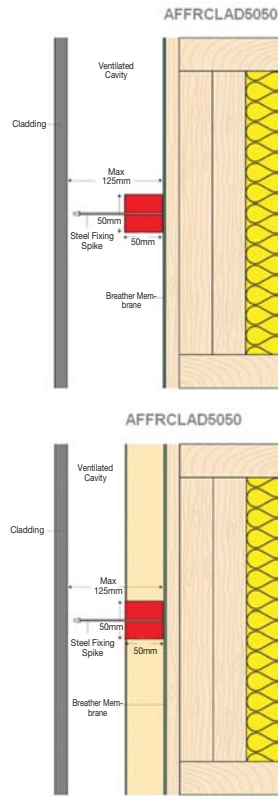
ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
MASONRY / CONCRETE	120	120

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



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.

To Order Astro Clad Red
50mm x 50mm x 1000mm
AFFRCLAD5050

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	30

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

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 K15	30,60,90,120	60,90,120

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

ASSESSED CONSTRUCTION TYPE	FIRE RATING	
	HORIZONTAL	VERTICAL
TIMBER FRAME	30	30

*Fire rating will vary depending on cavity sizes



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.

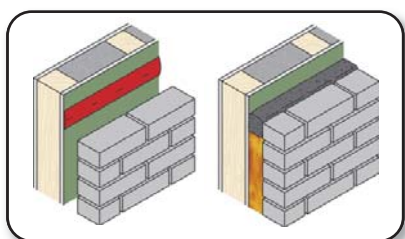
Size 75mm thick x 1000mm x Product Width encapsulated in red polythene. Product Width = Total Cavity Width minus 44mm. Maximum Air Gap 44mm. Fire ratings 90 minutes fixed to cement board.

To order Astro Clad Red
75mm x Your Size x 1000mm
AFFRCLADPLUS+

To Order & Specify Please quote
 Quantity /Trade name/Product ref
For Example
 10/ASTRO CLAD / AFFRCLADPLUS+
Fire Test or Assessment Reports
 Tested to BS 476 Part 20.

TRADE NAME: ASTRO CAVITY FIRE BARRIER ON A ROLL

CAVITY FIRE BARRIER



To Order & Specify Please quote
Quantity/Trade Name/Product Ref

For Example

5 / ASTRO CAVITY FIRE BARRIER / AFCFBR75

Testing Certification

ASTROFLAME Cavity Fire Barriers On a Roll are tested in combustible cavity structures to BS 476 Part 20: 1987. Test Report No. Chilt/1F07077. 30 Minutes Fire Integrity with 20% over run without failure.

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

Cavities are created in many wall constructions to aid thermal insulation performance and to

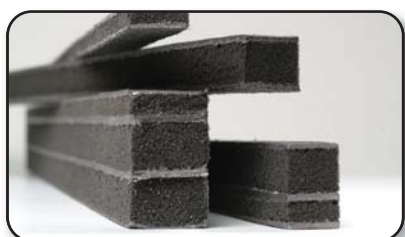
provide a moisture barrier. Such constructions are common in residential, public and commercial buildings. Completely closing the cavity, for example with solid cavity barriers, can detract from its performance and can result in both thermal and moisture bridging and potential structural damage.

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

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

TRADE NAME: ASTRO EJ SEAL

INTUMESCENT EXPANSION JOINT



To Order & Specify Please quote

Quantity/Trade Name/Product Ref/Size/Rating

For Example

20/ASTROEJSeal/AFEJ50/120/50mm/2 hour

Testing Certification

BS476 Part 20 and pr EN 1366-4

Tested to BS476: Part 20 and pr EN 1366-4. Up to 4 hours fire resistance. Weather proof and water resistant. Suits internal /external applications. Performance temperature. between -30 to +130°C. Certifire Approval.

The Astroflame Intumescent Expansion Joint Seal is manufactured using various thickness of flame retardant open cellular foam. Expandable graphite based intumescent is factory sprayed onto both sides of the foam, forming a compressible fire resistant joint filler which is resistant to moisture attack.

The graphite based material starts to intumesce around 180°C on the fire side of the joint whilst the fire rated foam gradually compresses allowing the expanding mass of intumescent graphite to totally seal the opening. This carbonaceous char formed by the graphite will prevent the spread of fire

through the joint thus ensuring the integrity of the compartment wall/floor is maintained.

Areas of Use

Between steelwork and blockwork where deflection and movement could occur in movement joints with blockwork walls and floors. Top of wallhead to the underside of the floor - although gaps could be uneven Astroflame Intumescent Expansion Joint Seal is extremely compressible and should accommodate any irregularities. Expansion Joint is an extremely versatile filler material.

Ordering Example

To specify for a gap width of 50mm with a 120 minute resistance order AFEJ50/120. When ordering please state product reference and number of metre lengths required. Supplied by the metre.

GAP WIDTH	DIMENSION	INTEGRITY	PRODUCT REF
UP TO 10MM	12MMX12MM	120 MIN	AFEJ10/120
11MM TO 20MM	29MMX12MM	120 MIN	AFEJ20/120
21MM TO 25MM	32MMX20MM	120 MIN	AFEJ25/120
26MM TO 35MM	53MMX20MM	120 MIN	AFEJ35/120
36MM TO 50MM	64MMX35MM	120 MIN	AFEJ50/120
51MM TO 60MM	85MMX40MM	120 MIN	AFEJ60/120
61MM TO 75MM	90MMX50MM	120 MIN	AFEJ75/120
76MM TO 100MM	126MMX100MM	120 MIN	AFEJ100/120
101MM TO 125MM	147MMX125MM	120 MIN	AFEJ125/120
126MM TO 150MM	170MMX100MM	120 MIN	AFEJ150/120
UP TO 10MM	12MMX25MM	240MIN	AFEJ10/240
11MM TO 20MM	29MMX25MM	240MIN	AFEJ20/240
21MM TO 25MM	32MMX30MM	240MIN	AFEJ25/240
26MM TO 35MM	53MMX30MM	240MIN	AFEJ35/240
36MM TO 50MM	64MMX50MM	240MIN	AFEJ50/240
51MM TO 75MM	90MMX75MM	240MIN	AFEJ75/240
76MM TO 100MM	126MMX125MM	240MIN	AFEJ100/240
101MM TO 125MM	147MMX125MM	240MIN	AFEJ125/240
126MM TO 150MM	170MMX125MM	240MIN	AFEJ150/240

TRADE NAME: ASTRO PUTTY

INTUMESCENT PUTTY



To Order & Specify Please quote
Quantity / Trade Name / Product Ref
For Example
10 / ASTRO PUTTY / AFIP
Testing Certification
BS476 Part 20 EN 1366-3

Tested to BS476: Part 20 & EN1366-3. An easy to use, non-setting intumescent compound, which is ideal for sealing around pipes and cables in walls and floors up to 4hours fire rating. Certifire Approval.

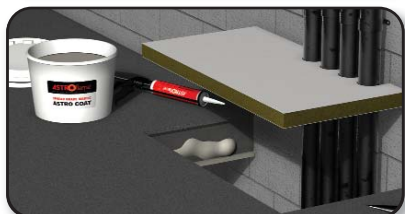
The putty has been independently tested in accordance with BS476: Part 20: 1987 and EN 1366-3 and can provide up to 4 hours fire resistance depending on depth and volume. Can accommodate

substantial movement of service penetrations and can be easily removed used and re-used. Its flexibility allows it to be used around complex and irregular shapes. 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.

Availability: Astroflame Putty is red in colour and supplied in handy 1kg tubs.

TRADE NAME: ASTRO BATT

FIRE BATT

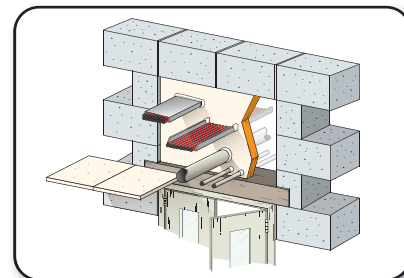
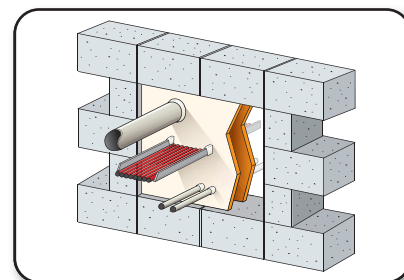


To Order & Specify Please quote
Quantity/Trade Name/Product Ref/Description
For Example
20/ASTROBATT/AFB1200DC/1200x600
Testing Certification
BS476 Part 20 and EN 1366-3.

Tested to BS476 and EN 1366-3. Part 20 Up to 4 hours fire resistance. Economical Halogen free. Reduced smoke properties. Certifire Approval. Up to Rw29dB reduction achieved.

Specifically designed for sealing around service penetrations in walls and floors, a single Astroflame board (60mm thick) can provide high levels of fire integrity and insulation offering up to 4 hours resistance in accordance with BS476: Part 20: 1987. Astroflame Boards consist of a mineral fibre core coated on both sides with Astroflame Mastic, which transforms into a hard ceramic during a fire to prevent the passage of fire and smoke and the transfer of heat. Astroflame Coating, ASTROcoat, is available as a separate product.

Astrobatt Size: 600mm x 1200mm x 60mm or 600mm x 1200mm x 50mm. Astro Coat should be used for coating cut edges. Astrocoat Availability: 5 kilo pails.



ITEM	CODE	DENSITY
FIRE BATT (60MM)	AFB1200DC	160KGM ³
FIRE BATT (50MM)	AFB1200DC50	140KGM ³

TRADE NAME: ASTRO COAT

SPREADGRADE MASTIC



To Order & Specify Please quote
Quantity / Trade Name / Product Ref
For Example
5 / ASTROCOAT / AFBCOAT5K
Testing Certification
BS476 Part 20.

For use on cut edges or joints of Astro Batt. Certifire Approval.

Item	Code
Spreadgrade Mastic 4.5 Kilos (3.5 Litres)	AFBCOAT5K

TRADE NAME: ASTROFLEXI-BATT

FIRE RESISTANT FLEXIBLE BOARD & COATING



To Order & Specify

FLEXI - BATT Please quote

Quantity / Trade name / Product ref / Description

For Example

20/ASTRO FLEXI-BATT/AFB1000DCFB/1000x600x50

Testing Certification

BS476 Part 20/22 & BSEN1366 Part3

Highly Flexible, Tested to BS476: Part 20/22 & BSEN1366 Part3. Up to 2 hours fire resistance, Allows movement of services. Reduced smoke properties.

Astro Flexi-Batt are designed to prevent the passage of fire and smoke around penetrating services with high movement. The Flexi-Batt has a 1000mm x 600mm x 50mm low density stone fibre core coated with astro flexi coat sealant on both sides. At normal temperatures the flexi batt will remain flexible to permit thermal and mechanical movement of services

of upto 50%. Both products are unaffected by oil, fungus, moisture, vermin, weather and contain no halogens or asbestos. Up to Rw29dB reduction achieved. The astro flexi batt gives upto to 2 hours fire & smoke protection and remains flexible between -5c to +70c and is ideal for slab edge detail or service penetrations.

ASTRO FLEXI- BATT: 600mm x 1000mm x 50mm: 90kgm³ density.

TRADE NAME: ASTRO FLEXI COAT SEALANT

FLEXIBLE SPREADGRADE MASTIC

To Order & Specify Please quote

ASTRO FLEXI-COAT

Quantity / Trade name / Product ref / Description

For Example

5 / ASTROCOAT / AFBFLEXICOAT

Testing Certification

BS476 Part 20/22 & BSEN1366 Part3

Astro Flexi Coat sealant is a water based acrylic coating, having excellent fire and elastometric properties offering up to 50% movement. Ideal for spray, trowel and pouring applications. At normal temperatures the coating remains highly flexible to permit thermal and mechanical movement of services and the building structure. Provides up to 2 hours fire resistance and acts as a smoke and acoustic barrier. For use on cut edges of Astro Flexi Batt and ideal for slab edge applications. Tested to EN1366-4.

ASTRO FLEXI COAT: 74 Litre Pail.

Item	Code
Flexible Spreadgrade Mastic (74 Litre)	AFBFLEXICOAT

TRADE NAME: ASTRO FM COMPOUND

FIRE RESISTANT MORTAR



Tested to BS476: Part 20. Up to 6 hours fire resistance for floors and walls Environmentally friendly. Withstands cracking and shrinking under fire conditions. NHBC Type Approval. Certifire Approval.

A gypsum based fire resistant mortar which expands when activated by water and sets to form an excellent seal around cables, pipes and duct penetrations in walls and floors.

Easily re-activated by adding extra water for up to 45 minutes after mixing.

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. Astroflame Fire Resistant Mortar can provide up to 6 hours fire resistance depending on depth/width and volumetric area. Available in 20kg bags.



To Order & Specify FLEXI - BATT Please quote

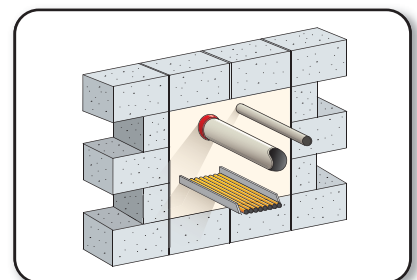
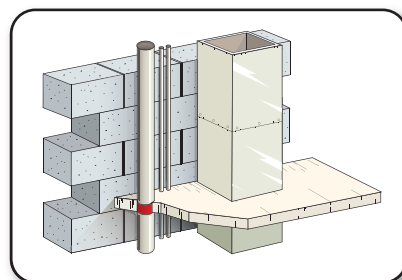
Quantity / Trade Name / Product Ref

For Example

10/ASTRO FM COMPOUND/AFFC20

Testing Certification

Tested to BS476: Part 20. NHBC Type Approval



TRADE NAME: ASTRO INTU MASTIC

INTUMESCENT ACOUSTIC MASTIC



ACOUSTIC RATED



To Order & Specify Please quote
Quantity / Trade Name / Product Ref / Size
For Example

120/Astro Intumastic/AFIMW/310ml
Supplied in 310ml Tubes: 12 per box

Testing Certification

BS476 Part 20 and EN 1366-4 & BSEN ISO140-3

Colours Available

Brown - AFIMB Grey - AFIMG White - AFIMW.
NHBC Type Approval. Certifire Approval. Foil Packs
Now Available.

Tested to BS476: Part 20 & EN 1366-4. Up to 4 hours fire resistance. Easy to use. Long shelf life. Acoustic insulation. For internal/external use. NHBC Type Approval. Certifire Approval.

A one part fire rated intumescent acrylic mastic designed for sealing gaps around fire doors, window frames and for sealing joints, voids and irregular holes in first structures, and for maintaining their integrity when sealing around pipes and cables that penetrate them.

The mastic has been independently tested in accordance with BS476: Part 20 and 22: 1987 and EN1366-4 and can provide up to 4 hours fire resistance depending on depth/width and volumetric area. Can be used on most construction substances, although we do recommend that a small area is tested on unusual substrates. It can be used in most low movement joints up to 25mm wide with no slump and can be overpainted. Further details and installation instructions available on request. Acoustic tests to BSEN ISO140-3.

JOINT	GAP SURFACE COMBINATION	GAP WIDTH MM	SEAL DEPTH MM	INSULATION MINS	INTEGRITY MINS
HORIZONTAL	AERATED CONCRETE/AERATED CONCRETE	10	6	54	240
HORIZONTAL	AERATED CONCRETE/AERATED CONCRETE	20	20	UNCLASSIFIED	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	10	6	UNCLASSIFIED	231
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	12	12	UNCLASSIFIED	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	15	10	40	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	15	15	42	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	20	15	49	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	20	20	73	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	35	20	92	240
VERTICAL	AERATED CONCRETE/AERATED CONCRETE	35	25	168	240
HORIZONTAL	HARDWOOD/HARDWOOD	25	25	64	66
HORIZONTAL	HARDWOOD/HARDWOOD	10	15	40	63
HORIZONTAL	SOFTWOOD/SOFTWOOD	10	35	81	91
HORIZONTAL	SOFTWOOD/SOFTWOOD	25	35	74	74
VERTICAL	HARDWOOD/HARDWOOD	10	15	37	59
VERTICAL	HARDWOOD/HARDWOOD	25	25	51	61
VERTICAL	SOFTWOOD/SOFTWOOD	25	35	82	82
VERTICAL	SOFTWOOD/SOFTWOOD	10	35	80	87
HORIZONTAL	STEEL/STEEL	25	25	40	240
HORIZONTAL	STEEL/CONCRETE	25	25	48	240
HORIZONTAL	CONCRETE/CONCRETE	30	25	48	240
HORIZONTAL	VERMICULITE/AERATED CONCRETE	25	25	48	240
VERTICAL	STEEL/STEEL	25	25	58	240
VERTICAL	STEEL/CONCRETE	25	25	52	240
VERTICAL	CONCRETE/CONCRETE	30	25	33	240
VERTICAL	VERMICULITE/AERATED CONCRETE	25	25	58	240

TRADE NAME: ASTRO FR-EC ACOUSTIC FOAM

FIRE RATED ACOUSTIC ECONOMY FOAM



ACOUSTIC RATED



To Order & Specify Please quote
Quantity / Trade Name / Product Ref / Size
For Example

24/ASTRO FREC ACOUSTIC FOAM/AFFRECFEAM/750ml
Supplied in 750ml Cans 12 per box

Testing Certification

BS476 Part 20. NHBC Type Approval
EN 1366-4.

Tested to BS476 Part 20. DIN 4102 Part 1 and Class B1. Up to four Hour Fire rating integrity and Insulation. NHBC Type Approval. EN 1366-4.

Fire Rated Foam Has been tested to BS476 Part 20 and Class B1 and Din 4102 and EN 1366-4. Main Uses For Joints/gaps in compartment walls and floors, fire and 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 and EN1366-4 for openings for up to 4 hours, dependent on gap size. Ask Technical Support for further details.

TRADE NAME: ASTRO HPE SEALANT

HIGH PRESSURE EXPANSION SEALANT



To Order & Specify Please quote
Quantity / Trade Name / Product Ref.
For Example
10 / Astro HPE Sealant / AFHPESG
Testing Certification
Tested to BS EN 1363

Intumescent sealant for combustible and non-combustible penetrations. Tested to EN1366. Smoke, gas and water tight. Seals cables. Sealing combustible pipes up to 90mm. (2 hrs integrity). Suitable for sealing irregular shaped apertures. Good insulation properties. Odourless, with easy clean up with water. Long working life. Can be overpainted.

Astro HPE Sealant is a 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.

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.

Availability

Astro HPE Sealant is supplied in rigid 310ml cartridge format for use with an applicator gun.

NAME	DIMENSIONS	COLOUR	PRODUCT CODE
ASTRO HPE SEALANT	310ML CARTRIDGE	GREY ONLY	AFHPESG

FITTED IN SECONDS.



ASTROflameTM
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.



www.astroflame.com

ALSO AVAILABLE FROM ASTROFLAME:

DOOR PROTECTION | FINGER PROTECTION | LIGHTING PROTECTION
FIRESTOP PRODUCTS | MASTICS & FOAMS | DRAUGHT PROOFING
ACOUSTIC SEALS | DISABLED ACCESS | ANTI-GRAFFITI | FIRE PROOF PAINTS

TRADE NAME: ASTRO POSTER MAGIC

ANTI FLY POSTER COATING



Order code: APMS

Poster Magic is a specially formulated version of an anti graffiti coating for traffic light control boxes, telephone, cable and electricity junction boxes, CCTV enclosures, street lighting columns and similar items of street furniture.

Posters will not adhere to surfaces coated with Poster Magic. This unique one-pack coating gives effective protection against both fly-posting and Graffiti. Poster Magic is a permanent, not a sacrificial system, allowing for repeated easy removal of posters or graffiti. Clear finish in Matt or Gloss.

Application

Suitable Substrates: Poster Magic is suitable for a wide variety of surfaces, though if in any doubt we recommend a trial application, or contact the technical department who will be pleased to give advice. Can be used on concrete, render, masonry, porous stone, timber and previously painted surfaces. Use over masonry

paints should be tested first for adhesion - we cannot be held responsible for problems caused by untested areas. It should not be used over Pliolite based products without first applying to a test area.

First thoroughly clean and degrease the surface to be coated using Mastersolve. Even newly powder coated or stove enamelled items can have oily surface residue that must be removed using a solvent wash, such as Mastersolve, prior to the application of two coats of Poster Magic. If the box is old and requires refurbishment then first apply a coat in the colour required before applying two coats of Poster Magic to finish. Apply by brush or roller (brushes and roller sleeves may need to be discarded after use). Coverage is 8m² per litre. Posters will not adhere to surfaces coated with Poster Magic, once dry they will fall off or can easily be peeled off by hand. No scrapers, solvents or water is required. Supplied in 5 litre tins.

TRADE NAME: ASTRO BSGR

BARE SURFACE GRAFFITI REMOVER



Order code: ABSGR5

Graffiti Removal Chemical is a clear, thick gel liquid. A water washable graffiti remover designed to remove both aerosol and marker pen graffiti from uncoated porous surfaces.

BSGR has been specifically developed to remove both aerosol and marker pen graffiti, without residual shadowing, prior to the application of Anti Graffiti Paint. Gelled for ease of application to vertical areas. BSGR has been designed to remove graffiti from brick, concrete and stone - though it can be equally effective on other substrates. BSGR is an aggressive solvent based cleaner: it is not suitable for use on previously painted surfaces or any surface that may be damaged by strong solvents. Available in 5 litre sized containers. After removal of graffiti apply Anti-Graffiti Paint to protect from future graffiti attacks.

Application

Do not apply to sensitive material such as plastic, perspex or previously painted surfaces. If in doubt contact the technical department or carry out a small trial application. Hold cloth over top whilst opening. Apply a thick coat by brush - for areas of heavy graffiti apply a second coat on the top of the first coat after a few minutes. Leave until graffiti reacts - usually between 10 and 30 minutes. Rinse off with copious amounts of water - for best results use a power washer. If a shadow remains then allow the surface to dry and apply BSGR again. Clean all equipment with water immediately after use. Coverage: Approximately 10 square meters per litre depending on porosity of surface.

TRADE NAME: ASTRO MASTERSOLVE

MASTERSOLVE GREASE, GRIME & GUNGE REMOVAL



Order code: AMSS

Mastersolve is used to prepare surfaces for painting - and is a highly concentrated multi-purpose cleaning product with many other uses.

Mastersolve dissolves: Grease, Fats, Nicotine, Inks, Dyes, Waxes, Carbons. Ideal for use on: Floors, Walls, Concrete, Tiles, Altro flooring, Vinyl flooring, Carpeting, Machinery, Kitchen equipment, Engine cleaning, Paint preparation and most porous and non porous surfaces.

Mastersolve is safe to use in food preparation areas, hospitals, animal housing, garages and nursing homes. Mastersolve can be applied by hand or via a pressure washer.

Features

Non Toxic, Bio Degradable, Non Caustic, Water Soluble, Non Corrosive, Non Flammable, Film Free.

TRADE NAME: ASTRO ANTI GRAFFITI PAINT

ANTI GRAFFITI PAINT



Properties

Appearance: Semi-transparent/Clear Liquid
Solvent: White Spirit
Viscosity: 2.5 to 3 Poise
Solids: 34 to 36% by Weight
Specific Gravity: 0.85 to 0.88
Shelf Life: 12 months in unopened container
UV Resistance: Excellent

Order code: AAGPM5 (Matt)
Order code: AAGPG5 (Gloss)

Anti Graffiti Paint is a translucent, non-sacrificial coating that allows repeated easy removal of graffiti using warm water and mild detergents.

This anti graffiti paint is designed to minimise any alteration to the appearance of the protected surface and is available in a matt or gloss finish. If in doubt about the final appearance of the anti graffiti treated surface try a test application and consider applying a Non Darkening Sealer primer coat. The one-pack external coating is designed to protect against both graffiti and fly-poster attack and also resists marker pens. The anti graffiti coating can be used on concrete, render, masonry, porous stone, timber and previously painted surfaces, but should not be used over Pliolite based products. The matt version is particularly effective on normally difficult to protect substrates such as rough brick or textured finishes. Short drying and re-coating times for rapid protection against graffiti.

Application

The product preserves the substrate in the condition in which it is treated, cleaning and/or re-decoration must take place before treatment. Test adhesion first for use over existing masonry paints. Test for possible surface darkening if it is critical that the coated

surface must appear exactly like the original. Consider using Non Darkening Sealer. Apply by brush, roller or spray. Thin with up to 10% white spirit if needed. 2 coats recommended for all surface types.

Coverage on bare brick, concrete or stone - depending on how porous - is from 7 to 10 m² per litre per coat. Porous surfaces are best sealed with Non Darkening Sealer first, which also gives a slightly improved better coverage rate of 8 to 10 m² per litre per coat (still two coats required). Previously painted and other non porous surfaces - 10 to 12 m² per litre per coat (two coats required). These figures are approximations, supplied for guidance only. We recommend that the customer works out their own coverage requirements, making a trial application if needed. Typically, touch dry is achieved within 1-2 hours and a second coat can be usually be added within 4 to 6 hours. Due to moisture curing nature of product do not leave in opened containers. Take care to clean equipment immediately after use. A correctly applied finish has an anticipated lifespan of seven years. If in doubt about the suitability of Anti Graffiti Paint for a particular type of surface we recommend a trial application be performed, or contact us for advice.

TRADE NAME: ASTRO NON-DARK SEALER

NON-DARKENING SEALER COAT



Properties

Appearance: White liquid 1.02
Specific gravity: 1.04 24
Solids by weight: 25%
UV Resistance: Excellent
Flammability: Water based (Non-flammable)
Service temperature: 20°C to 90°C
Shelf life: 12 months in original unopened container.

Application Data

Application temperature: Minimum 8°C - 30°C
Open time: Approx 20 minutes at 25°C
Drying time: Touch dry in 1-2 hours depending on conditions. Re-coat with Anti Graffiti paint after 24 hours.

Order code: ANDS5 (Matt)

Non Darkening Sealer is a clear 100% acrylic sealer dispersed in water making it low odour, non-flammable and low toxicity.

Used as a transparent sealer for porous surfaces, such as, brick, mortar, concrete, render, porous stone and bare timber prior to application of Anti-Graffiti Paint. It is used to avoid darkening the original surface - for example bricks may not show any darkening when an anti-graffiti coating is applied but the mortar may do. To test the effectiveness of Non Darkening Sealer we strongly recommend a small discrete trial application be carried out. It is not required over sealed or previously painted surfaces. Can also be used on its own, as a general non darkening sealer for concrete and concrete products such as cement render, mortars and grouts, fibro cement, etc. It is also suitable for sealing sandstone and other natural stone products against the ingress of water reducing mould and mildew discolouration.

Application

Application is by brush, spray or roller. Apply one good coat of Non Darkening Sealer over a clean, dry substrate - first ensuring that any brick acid/etch cleaner used has been thoroughly rinsed off. Non Darkening Sealer is milky white when first applied but dries clear. For Non Darkening Sealer to work it is important that it be allowed to dry fully before applying any finishing coats. Allow at least 4 hours under good drying conditions, but preferably overnight.

Important: Avoid using a paint brush when applying Non Darkening Sealer to surfaces subjected to efflorescence (i.e. salt deposits on cement substrates). Efflorescence can be difficult to detect on light coloured surfaces and will produce a milky effect on a clear finish if disturbed during application (i.e. by shear action of using a brush). Roller or spray application is recommended where efflorescence may be present.

TRADE NAME: ASTRO SHADOW LIFTER

GRAFFITI CLEANER SHADOW LIFTER



Order code: ASL5

Shadow Lifter is a specially formulated alkaline graffiti cleaner for the removal of stubborn graffiti shadowing from brickwork, stone and concrete.

This non-hazardous cleaning liquid, gelled for ease of use on vertical surfaces, removes stubborn shadows that may remain after graffiti removal. Also removes general soiling and staining from brickwork.

Application

Pressure wash the area to be treated to prevent any unnecessary absorption and

streaking. Apply undiluted Shadow Lifter with a bristle brush to the affected area at a coverage rate of 5m²/Litre starting at the bottom edge working upwards. Areas to be cleaned should be wetted prior to application to prevent streaking. Allow to dwell for 1-2 minutes before rinsing. Pressure wash with a pump capable of 1500 psi @ 14 lpm, with a slow even movement keeping the lance 15-20 cm away from the surface until complete rinsing has been achieved.

TRADE NAME: ASTRO GUM MAGIC

GUM REMOVAL SYSTEM



Order code: AGM5

Gum Magic aids chewing gum removal and inhibits the adhesion of grease & grime to many surfaces. Chewing Gum can usually be removed with medium pressure water jetting.

Gum Magic gives long lasting protection to all porous building materials, for example brick, limestone, marble, granite, slate, terracotta, concrete rendering and artificial stone. The product also offers protection from greasy stains (oil, diesel, petrol, etc) and protects against general grime. Gum Magic prevents moss and lichen growth on roofs, pavements and pedestrian surfaces. For use on exterior stonework, patios, block paving, pedestrian areas and car parks. It can also be applied to interior stone flooring, floor tiles and garage doors.

Features

Inhibits chewing gum adhesion. Enables chewing gum removal with medium pressure washer. Waterborne & ready to use. Non-flammable. Non-toxic. Environmentally friendly. Prevents stains and airborne dirt from adhering to surfaces. Resists graffiti and algal growth. Stains are easily removed using water and detergents. Prevents penetration of water, liquids, oil and most types of surface contamination to porous masonry substrates.

Transparent - will not alter colour or original appearance, allows the surface to breathe. UV resistant does not cause yellowing. A simple application dramatically prolongs the life of all surfaces providing an innovative, scientific solution for the protection of buildings and structures; both historic and modern. Surface will remain moisture vapour permeable. Long lasting protection.

TRADE NAME: ASTRO NON-SLIP COAT

NON SLIP FLOOR PAINT



Order code: AFNSC/Col

An anti-slip floor paint based on an epoxy ester formulation that dries to a tough durable finish. Has good resistance to water, oils, mild acids and alkalis. Available in 3 colours: Tile Red, Mid Grey and Green.

Ideal for use on concrete, timber and steel floors. Anti-slip properties produced by the

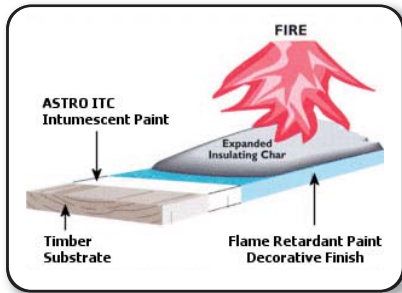
use of organic powder gives enhanced safety to slippery areas. The use of organic powder to produce the anti-slip properties has eliminated the risk of sparking from metal wheels and tools, unlike some floor coatings that contain sand or grit. This anti-spark feature provides extra safety, for example in factories or chemical plants, where sparks are hazardous.

FIRE PROOF PAINTS

ASTROFLAME STOCK A RANGE OF PROTECTIVE INTUMESCENT PAINTS & COATINGS, FOR STEEL, TIMBER, PLASTER AND BRICK AND A RANGE OF FLAME RETARDANT PAINT FINISHES TO DECORATE, PROTECT AND COMPLETE FIRE PROTECTION SYSTEMS.

TRADE NAME: ASTRO ITC PAINT

INTUMESCENT PAINT FOR TIMBER



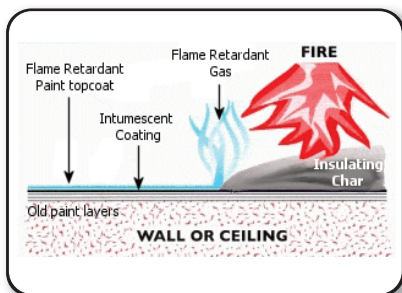
Class 1 & Class 0 Intumescent Paint. BS476 Part 7: Class 1 surface spread of flame. BS476 Part 6: Fire propagation. Class 0. Brush, roller or spray application.

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. ASTRO ITC Paint is available in 5 kilo and 20 kilo containers. It can be overcoated with our flame retardant paint - available in BS4800, RAL and metallic colours and a range of finishes.

TRADE NAME: ASTRO IWC PAINT

INTUMESCENT PAINT FOR WALLS & CEILINGS



BS476 Part 7: Class 1 surface spread of flame. BS476 Part 6: Fire propagation. Designated Class 0 in accordance with U.K. Building Regulations

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. 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. Astroflame IWC Paint is available in 5 kilo and 20 kilo containers. It can be overcoated with our flame retardant paint - available in BS4800, RAL and metallic colours and a range of finishes.

TRADE NAME: ASTRO FR PAINT

FLAME RETARDANT PAINT



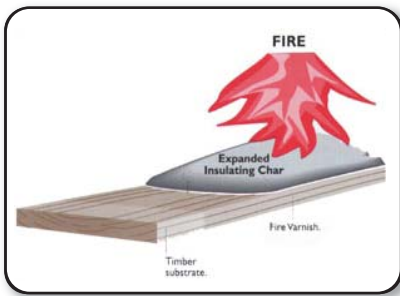
Fire proof paints BS476 rated. BS476 Part 7: Class 1 surface spread of flame. BS476 Part 6: Fire propagation. Designated Class 0 in accordance with U.K. Building Regulations. Gloss, Eggshell, Matt & Silk finishes. Brush, roller or spray application.

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 paint is available in several finishes and BS4800 and RAL colour ranges in 2.5 litre and 5 litre containers.

TRADE NAME: ASTRO IF VARNISH

INTUMESCENT FIRE 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. Water based clear Intumescent with White Spirit based decorative overcoat in Gloss, Satin or Matt finishes. Brush, roller or spray application.

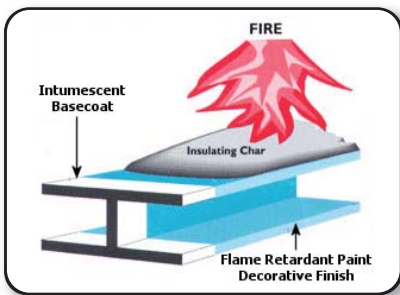
When exposed to a fire Astroflame Intumescent Fire Varnish expands to create a fire protective barrier, insulating the timber surfaces from heat and oxygen. Astroflame Intumescent Fire Varnish is an exceptionally clear lacquer for decorative fire protection of

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.

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). Astroflame Fire Varnish ASTRO IFV is available in 20m² packs. The sealer coat ASTRO FVO is available in gloss, satin or matt.

TRADE NAME: ASTRO ISS PAINT

INTUMESCENT PAINT FOR STRUCTURAL STEEL AND CAST IRON



Conforms to BS476 Part 21: Fire resistance for load bearing elements of structure. Rated for 30 and 60 minutes. Brush, roller or airless spray application.

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 applications of ASTRO ISS Paint. 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. 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.

TRADE NAME: ASTRO HBP PRIMER

HIGH BUILD PRIMER

Compatible with intumescent paint. Solvent or water based options. Brush, roller or spray. 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. May be overcoated with our intumescent paint systems as well as epoxy, conventional gloss, eggshell, acrylic and vinyl paint finishes ASTRO HBP Primer is available in 2.5 litre and 5 litre containers and in Red, White or Grey.



TIMBER & WALL ENQUIRY FORM

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

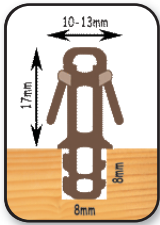


STEEL PAINT ENQUIRY FORM

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

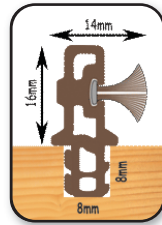
SASH WINDOW & PATIO DOOR SEALS

REPLACEMENT AND RETROFIT SASH WINDOW SEALS AND PATIO DOOR SEALS TO WEATHERPROOF, DRAUGHTPROOF, CONSERVE ENERGY AND REDUCE INTRUSIVE NOISE.



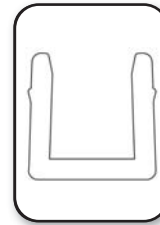
SASH WINDOW PARTING BEAD SEALS

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.



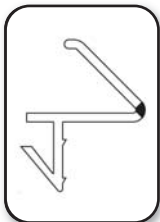
PARTING BEAD BRUSH SEAL

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.



PARTING BEAD CARRIER

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



IMPLY

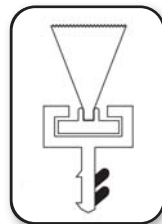
Imply is a spring seal for either surface mounting or inset. This product is often used as a mid-rail seal.

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.

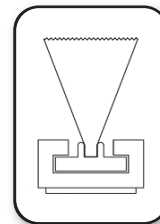
ASTRO CARRIPILE CP SEAL - SELF ADHESIVE

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.



CP2

Centre leg carrier for mechanical fitting into slot and can be used in conjunction with 4.8mm base pile.



CP3

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



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Exterior / Interior door and window perimeter seal.

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



QLON RETRO 21 L

Exterior / Interior door and window perimeter seal.

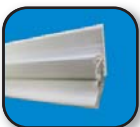
ADAMRET21LB
Brown PVC-u H Carrier with a Brown Q-Lon Seal 2050mm
ADAMRET21LW
White PVC-u H Carrier with a White Q-Lon Seal 2050mm



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.

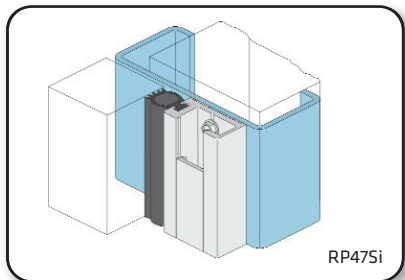
ADAMSBSB
Brown PVC-u Box Carrier with a Brown Pile Seal 2050mm
ADAMSBSW
White PVC-u Box Carrier with a White Pile Seal 2050mm



SHARKSEAL PS

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

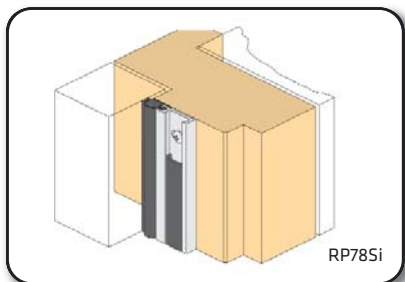
ADAMPSPB
Brown PVC-u H Carrier with a Brown Pile Seal 2050mm
ADAMPSPW
White PVC-u H Carrier with a White Pile Seal 2050mm



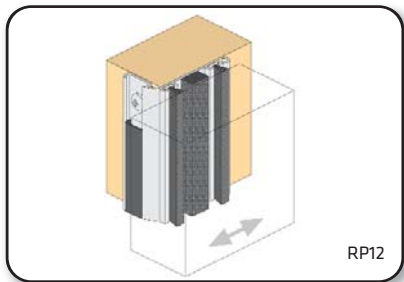
RP47Si

RAVEN DOOR SEALING SYSTEMS

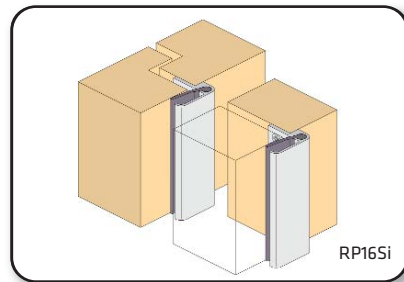
Raven Door Sealing Systems are available to combat draughts, dust, rain, noise, heat loss, heat gain, fire, smoke and stray light. There are three types: light, medium and heavy duty. Raven Seals offer solutions for a wide range of door opening types including butt hinged, up and over, sliding, roller shutter and revolving. A comprehensive range shown on www.astrodraft.com or request the Astrodraft catalogue. (Most of the Raven Range when used as a system will meet the requirements of Approved Document E).



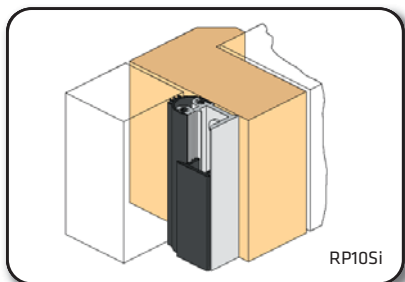
RP78Si



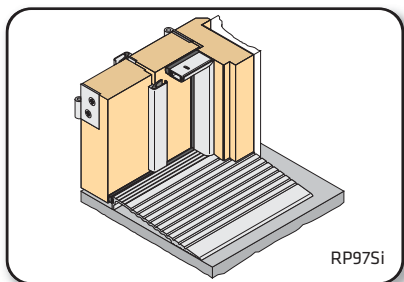
RP12



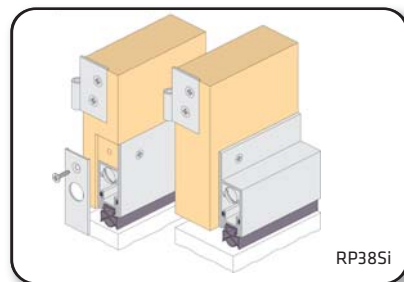
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