

## SOLUTIONS FOR FIRE DOOR ASSEMBLIES



### Drop Down Seals Features and Benefits :-

- High quality internal double spring acted working mechanism to accommodate uneven floors unlike weaker systems which can bend if the door is slammed.
- Advanced roller ball plunger system to absorb abnormal impact - self adjusting.
- Fully adjustable seal to take up to a 14mm drop.
- Fully tested in a UCAS accredited laboratory using operational 3-4mm gaps not 2mm gaps as tested by some companies.
- Slim line 28mm rebate required to install meaning less is taken out of the bottom door rail making it an easier and faster installation unlike competitors 34mm rebating.
- Easy maintenance with a 'slide in slide out' seal.
- Fully tested without use of threshold plates, also tested straight down to carpet, the only system to have this evidence.
- Operationally tested to 200,000 cycles unlike some competitors 100,000 cycles.

## Intumescent Letterbox Assemblies 30min's Fire Protection



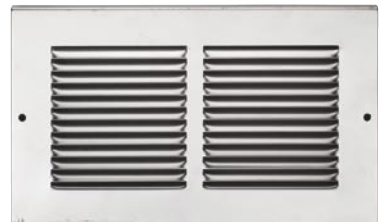
<b>10"</b>			
<b>ES300</b>	Brass Intumescent Letterbox 10"	250mm	PB
<b>ES301</b>	Chrome Intumescent Letterbox 10"	250mm	PC
<b>ES302</b>	Gold Anodised Intumescent Letterbox 10"	250mm	GAA
<b>ES303</b>	Saa Intumescent Letterbox 10"	250mm	SAA
<b>12"</b>			
<b>ES304</b>	Brass Intumescent Letterbox 12"	305mm	PB
<b>ES305</b>	Chrome Intumescent Letterbox 12"	305mm	PC
<b>ES306</b>	Gold Anodised Intumescent Letterbox 12"	305mm	GAA
<b>ES307</b>	Saa Intumescent Letterbox 12"	305mm	SAA

## Intumescent Air Transfer Vents



<b>ES400</b>	Intumescent Air Transfer Grille	150mm x 150mm	-
<b>ES401</b>	Intumescent Air Transfer Grille	150mm x 300mm	-
<b>ES402</b>	Intumescent Air Transfer Grille	300mm x 300mm	-
<b>ES403</b>	Intumescent Air Transfer Grille	112mm x 225mm	-
<b>ES404</b>	Intumescent Air Transfer Grille	225mm x 225mm	-

## Louvre Grilles To Suit



<b>ES420</b>	Silver Louvre Grille For Intumescent ES400	150mm x 150mm	SV
<b>ES421</b>	Silver Louvre Grille For Intumescent ES401	150mm x 300mm	SV
<b>ES422</b>	Silver Louvre Grille For Intumescent ES402	300mm x 300mm	SV
<b>ES423</b>	Silver Louvre Grille For Intumescent ES403	112mm x 225mm	SV
<b>ES424</b>	Silver Louvre Grille For Intumescent ES404	225mm x 225mm	SV

## Hinge Guards Pvc



<b>ES800</b>	Hinge Guards Pvc 1.95m White Rear	1950mm	WHT
<b>ES801</b>	Hinge Guards Pvc 1.95m White Knuckle Side	1950mm	WHT
<b>ES802</b>	Hinge Guards Pvc 1.95m Brown Rear	1950mm	BRW
<b>ES803</b>	Hinge Guards Pvc 1.95m Brown Knuckle Side	1950mm	BRW

# Perimeter Seals

## Acoustic Perimeter Seal - Corner Style

37dB  
rated



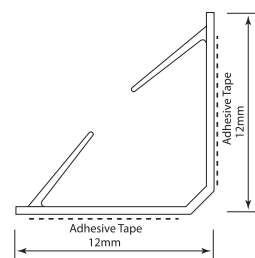
### Background

All doors need a gap between the perimeter of the door and the door frame to allow the door to function correctly. These gaps allow doors to be opened and closed easily and accommodate any expansion/movement within the building.

Consequently these gaps also allow sound, smoke, fire, heat (hot and cold) etc. to permeate through the doorset assembly.

### Approved Doc E

The acoustic requirements of doorsets are set out in the above document and specifies what must be achieved in order to be compliant within the building regulations.



The Eurospec range of Acoustic

Corner Seals, have been specially designed to provide an effective barrier to seal perimeter gaps in pedestrian doorset assemblies. Achieving a noise reduction of Rw37dB (tested). In addition our acoustic perimeter seals have also been smoke tested in accordance with BS 476 Part 31.1 and BS EN 1634 Part 4.

### 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

- Excellent compression and deflection performance
- Low closing forces due to low co-efficient material used in integral fins
- Supplied with a high performance adhesive backing
- Semi-rigid legs to aid installation and accommodate uneven substrates



### Product Range

Available in packs of 150 x 2.1m lengths in the following colours:

<b>ES1403</b>	White	2100mm
<b>ES1404</b>	Brown	2100mm
<b>ES1405</b>	Black	2100mm

Longer lengths to suit larger leaf sizes are available to order.

### Acoustic Performance

Testing undertaken in accordance with BS EN ISO 240-3:1995 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 single combinations and multiple seal types increased the performance to Rw37dB (tested).

### Smoke Sealing Performance

Smoke sealing demonstrated the efficiency of the seals. When tested in accordance with BS 476 Part 31.1 1987 the doorset had a leak rate of 200m<sup>3</sup> of air per metre/per hour (the regulatory requirement in Approved Doc.B is 3m<sup>3</sup>/m/hr). When re-tested using single combinations and multiple seal types this reduced the air leakage rate 0.12m<sup>3</sup>/m/hr at a pressure of 25 pascals.

Tested after 100,000 cycles Bodycote Warrington Report Nos. 167811/A and 167811/C.

## Acoustic Perimeter Seal - Twin Fin

37dB  
rated



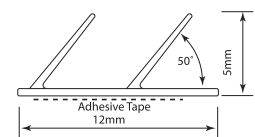
### Background

All doors need a gap between the perimeter of the door and the door frame to allow the door to function correctly. These gaps allow doors to be opened and closed easily and accommodate any expansion/movement within the building.

Consequently these gaps also allow sound, smoke, fire, heat (hot and cold) etc. to permeate through the doorset assembly.

### Approved Doc E

The acoustic requirements of doorsets are set out in the above document and specifies what must be achieved in order to be compliant within the building regulations.



The Eurospec range of Acoustic

Twin Fin Seals, have been specially designed to provide an effective barrier to seal perimeter gaps in pedestrian doorset assemblies. Achieving a noise reduction of Rw30dB. In addition our acoustic perimeter seals have also been smoke tested in accordance with BS 476 Part 31.1 and BS EN 1634 Part 4.

The fitting of an Acoustic Perimeter Seal will help to dramatically improve the effectiveness of the doorset assembly, in terms of noise permeation, smoke and air movement through the perimeter gaps.

### 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

- Excellent compression and deflection performance
- Low closing forces due to low co-efficient material used in integral fins
- Supplied with a high performance adhesive backing

### Product Range

Available in packs of 150 x 2.1m lengths in the following colours:

<b>ES1400</b>	White	2100mm
<b>ES1401</b>	Brown	2100mm

Longer lengths to suit larger leaf sizes are available to order.

### Acoustic Performance

Testing undertaken in accordance with BS EN ISO 240-3:1995 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 single combinations and multiple seal types increased the performance to Rw30dB (tested).

### Smoke Sealing Performance

Smoke sealing demonstrated the efficiency of the seals. When tested in accordance with BS 476 Part 31.1 1987 the doorset had a leak rate of 200m<sup>3</sup> of air per metre/per hour (the regulatory requirement in Approved DOS's is 3m<sup>3</sup>/m/hr). When re-tested using single combinations and multiple seal types this reduced the air leakage rate 0.09m<sup>3</sup>/m/hr at a pressure of 25 pascals.

Tested after 100,000 cycles Bodycote Warrington Report Nos. 167811/A and 167811/C.

# Acoustic Drop Down Seals

Eurospec offer a high quality range of acoustic drop down seals for the bottom of doors known as 'dropseals'. The seals are activated by the closing action of the door, dropping down to seal only when the door is closed. This leaves the door threshold clear and flat, without the need for high fixed thresholds.

Our seals have been tested without threshold plates and also straight down to carpet.

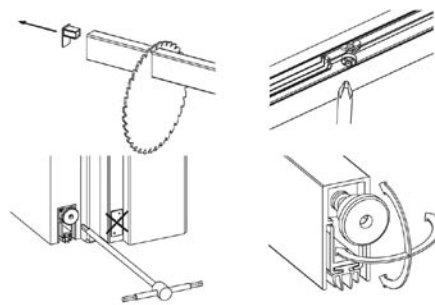


**Sound Fire Smoke Air DDA Light**

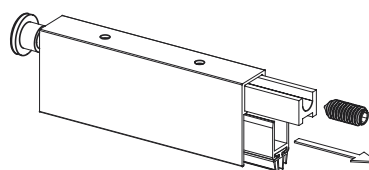
These seals are designed to form an effective barrier against the outside climate, noise, light, fire, smoke and insects. They provide a cost-effective solution for document part E and part M of the latest UK building regulations relating to disability, access and energy conservation.

There is a choice of seals to suit timber and glass doors. All seals are available in a wide choice of standard sizes and are easily fitted. Just cut down to the door width, attach to the door using the pre-fitted screws and adjust the drop for a tight seal onto the floor with a 3mm Allen

key. There is a selfaligning cap on the end of the plunger. Concealed drop down models come complete with silver end caps.



Our related models have easily removed mechanisms to prevent damage during installation. This also assists in removing the rubber seal in case of accidental damage.

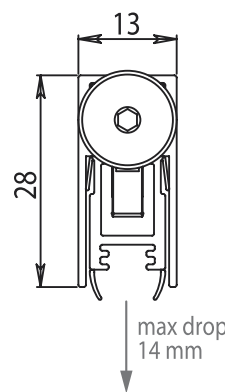
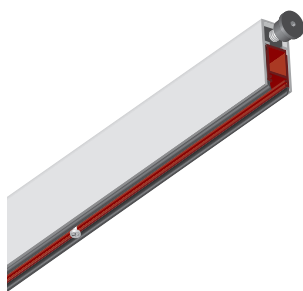
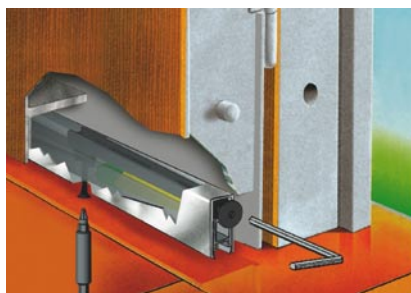


Simply slide the rubber seal/mechanism out from one side and replace as necessary.

Product testing and quality control are very important to us. All our seals have been endurance-tested to 200,000 cycles. Our comprehensive range of acoustic testing is available on request.

## Top 37 DB Range (Mortice) Application: Wooden door assemblies

**37dB rated**

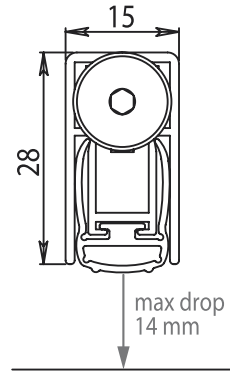
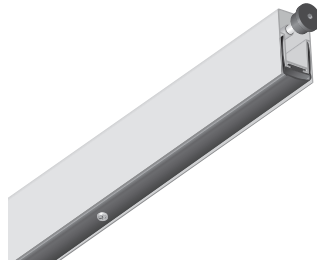


- Lengths: (mm) 330 - 430 - 530 - 630 - 730 - 830 - 930 - 1030 - 1130
- Maximum trimming length: 100mm
- Pre-fitted screws for quick cost-effective fixing
- Seal drops on hinge side before lock side
- Seal removable to assist installation/replacement
- 14mm maximum drop
- Galvanized steel flat springs and reinforced actuators
- 2-fin high quality 'V' zero class PVC rubber coextruded seal and carrier, self extinguishing, in aluminium body

<b>ES1200</b>	Drop Down Seal	330mm	<b>ES1205</b>	Drop Down Seal	830mm
<b>ES1201</b>	Drop Down Seal	430mm	<b>ES1206</b>	Drop Down Seal	930mm
<b>ES1202</b>	Drop Down Seal	530mm	<b>ES1207</b>	Drop Down Seal	1030mm
<b>ES1203</b>	Drop Down Seal	630mm	<b>ES1208</b>	Drop Down Seal	1130mm
<b>ES1204</b>	Drop Down Seal	730mm			

## ES Plus (Mortice) 51 DB Range Application: Wooden door assemblies

**51dB**  
rated

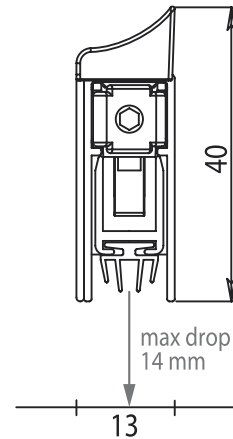


- Lengths: (mm) 330 - 430 - 530 - 630 - 730 - 830 - 930 - 1030 - 1130 - 1230  
To order 1330 - 1430 - 1530 - 1630 - 1730 - 1830
- Maximum trimming length: 150mm
- Pre-fitted screws for quick cost-effective fixing
- Seal drops on hinge side before lock side
- Seal removable to assist installation/replacement
- 14mm maximum drop
- Galvanized steel flat springs and reinforced actuators
- Sound insulating seal, high quality 'V' zero class PVC rubber, self extinguishing, in aluminium body

<b>ES1218</b>	Drop Down Seal	330mm	<b>ES1223</b>	Drop Down Seal	830mm
<b>ES1219</b>	Drop Down Seal	430mm	<b>ES1224</b>	Drop Down Seal	930mm
<b>ES1220</b>	Drop Down Seal	530mm	<b>ES1225</b>	Drop Down Seal	1030mm
<b>ES1221</b>	Drop Down Seal	630mm	<b>ES1226</b>	Drop Down Seal	1130mm
<b>ES1222</b>	Drop Down Seal	730mm	<b>ES1227</b>	Drop Down Seal	1230mm

## ES Surface 37 DB Range Application: Wooden and metal door assemblies

**37dB**  
rated



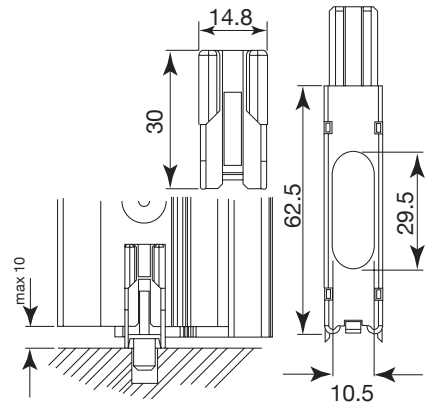
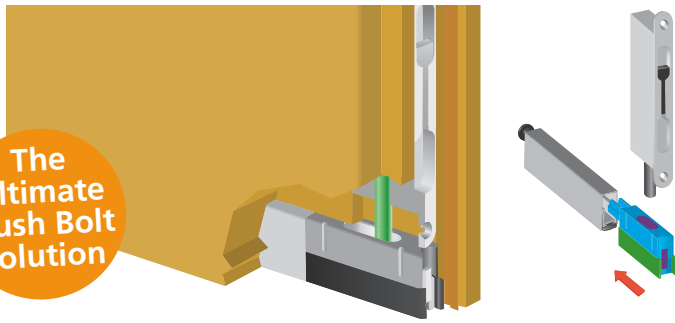
- Lengths: (mm) 330 - 430 - 530 - 630 - 730 - 830 - 930 - 1030 - 1130 - 1230  
To order 1330 - 1430 - 1530 - 1630 - 1730 - 1830
- Maximum trimming length: 150mm
- Screw fix (screws supplied)
- Can be fitted to inside (lock side using bumper provided) or outside of the door (non lock side)
- Satin Anodised Aluminium finish - Also available in White, Brown and Gold anodised to special order
- Seal drops on hinge side before lock side
- 14mm maximum drop
- Galvanized steel flat springs and reinforced actuators
- 4-fin high quality 'V' zero class PVC rubber seal, self extinguishing

<b>ES1228</b>	Drop Down Seal	330mm	SAA	<b>ES1233</b>	Drop Down Seal	830mm	SAA
<b>ES1229</b>	Drop Down Seal	430mm	SAA	<b>ES1234</b>	Drop Down Seal	930mm	SAA
<b>ES1230</b>	Drop Down Seal	530mm	SAA	<b>ES1235</b>	Drop Down Seal	1030mm	SAA
<b>ES1231</b>	Drop Down Seal	630mm	SAA	<b>ES1236</b>	Drop Down Seal	1130mm	SAA
<b>ES1232</b>	Drop Down Seal	730mm	SAA	<b>ES1237</b>	Drop Down Seal	1230mm	SAA



## Acoustic Flush Bolt Set Application: Double leaf wooden door assemblies

The Ultimate Flush Bolt Solution

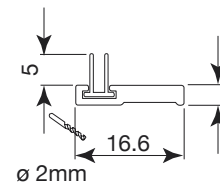
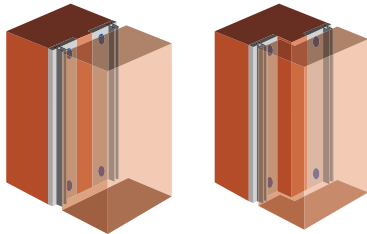


A unique solution to fitting rebated flush bolts in conjunction with drop down seals. The patented Flash Seal works as an extension element exclusively with the Acoustic Plus 51 Drop Down Seal. It is supplied complete with 2 x 200mm radius end rebated lever type flush bolts.

- Soft TPV seal (lateral and frontal), for acoustic sealing
- Seal is manually lowered on handle side
- 10mm maximum drop
- Springs in galvanized steel

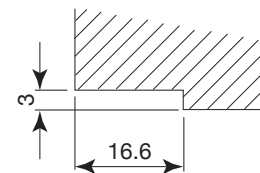
**ES1243** Acoustic Flush Bolt Set

## Acoustic Meeting Stile Seal - Double Action Application: Wooden door assemblies



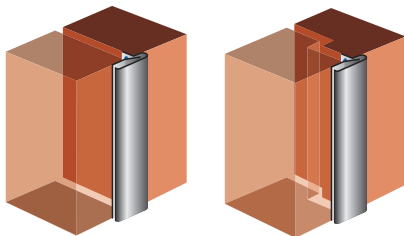
Acoustic meeting stile for double action door leaves. Can be flush fitted or rebated.

- Lengths: (mm) 2100 or 2500
- Min / Max Gap: 3 - 8mm
- Satin Anodised Aluminium finish
- Screw fix (screws supplied)
- PVC seal for acoustic performance

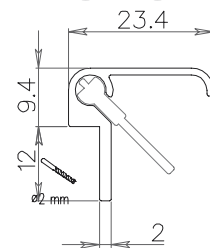


**ES1239** Acoustic Meeting Stile Seal 2100mm SAA Double | **ES1241** Acoustic Meeting Stile Seal 2500mm SAA Double

## Acoustic Meeting Stile Seal - Single Action Application: Wooden door assemblies

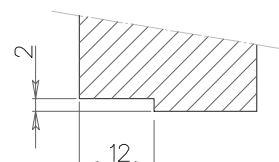


35dB rated



Acoustic meeting stile for single action door leaves. Can be flush fitted or rebated.

- Lengths: (mm) 2100 or 2500
- Min / Max Gap: 3 - 8mm
- Satin Anodised Aluminium finish
- Screw fix (screws supplied)
- PVC seal for acoustic performance



**ES1238** Acoustic Meeting Stile Seal 2100mm SAA Single | **ES1240** Acoustic Meeting Stile Seal 2500mm SAA Single