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

10"
ES300  Brass Intumescent Letterbox 10”  250mm  PB
ES301  Chrome Intumescent Letterbox 10”  250mm  PC
ES302  Gold Anodised Intumescent Letterbox 10”  250mm  GAA
ES303  Saa Intumescent Letterbox 10”  250mm  SAA

12"
ES304  Brass Intumescent Letterbox 12”  305mm  PB
ES305  Chrome Intumescent Letterbox 12”  305mm  PC
ES306  Gold Anodised Intumescent Letterbox 12”  305mm  GAA
ES307  Saa Intumescent Letterbox 12”  305mm  SAA

Intumescent Air Transfer Vents

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

Louvre Grilles To Suit

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

Hinge Guards Pvc

ES800  Hinge Guards Pvc 1.95m White Rear  1950mm  WHT
ES801  Hinge Guards Pvc 1.95m White Knuckle Side  1950mm  WHT
ES802  Hinge Guards Pvc 1.95m Brown Rear  1950mm  BRW
ES803  Hinge Guards Pvc 1.95m Brown Knuckle Side  1950mm  BRW
Perimeter Seals

Acoustic Perimeter Seal - Corner Style

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:
ES1403 White 2100mm
ES1404 Brown 2100mm
ES1405 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 200m3 of air per metre/per hour (the regulatory requirement in Approved Doc B is 3m3/m/hr). When re-tested using single combinations and multiple seal types this reduced the air leakage rate 0.12m3/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

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:
ES1400 White 2100mm
ES1401 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 200m3 of air per metre/per hour (the regulatory requirement in Approved DOS’s is 3m3/m/hr). When re-tested using single combinations and multiple seal types this reduced the air leakage rate 0.09m3/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.

These seals are designed to form an effective barrier against the outside climate, nose, 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 self-aligning 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

- 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

<table>
<thead>
<tr>
<th>Lengths</th>
<th>330mm</th>
<th>430mm</th>
<th>530mm</th>
<th>630mm</th>
<th>730mm</th>
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<tbody>
<tr>
<td>ES1200</td>
<td>Drop Down Seal</td>
<td>ES1205</td>
<td>Drop Down Seal</td>
<td>ES1206</td>
<td>Drop Down Seal</td>
<td>ES1207</td>
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<td>ES1201</td>
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<td>ES1202</td>
<td>Drop Down Seal</td>
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<td>Drop Down Seal</td>
<td>ES1204</td>
<td>Drop Down Seal</td>
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</tbody>
</table>
ES Plus (Mortice) 51 DB Range  Application: Wooden door assemblies

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Length (mm)</th>
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<tbody>
<tr>
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<td>Drop Down Seal</td>
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<tr>
<td>ES1219</td>
<td>Drop Down Seal</td>
<td>430</td>
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<td>ES1220</td>
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<td>ES1221</td>
<td>Drop Down Seal</td>
<td>630</td>
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<tr>
<td>ES1222</td>
<td>Drop Down Seal</td>
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<td>ES1223</td>
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<td>ES1226</td>
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<tr>
<td>ES1227</td>
<td>Drop Down Seal</td>
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</tbody>
</table>

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

- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Length (mm)</th>
</tr>
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<td>ES1229</td>
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<td>ES1231</td>
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<td>ES1233</td>
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<td>ES1234</td>
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<td>ES1237</td>
<td>Drop Down Seal</td>
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</tr>
</tbody>
</table>

Tel: 01254 274100  Fax: 01254 274111
Acoustic Flush Bolt Set  Application: Double leaf wooden door assemblies

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

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  |  ES1241  Acoustic Meeting Stile Seal  2500mm  SAA

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

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  |  ES1240  Acoustic Meeting Stile Seal  2500mm  SAA