

# PDB 411M – Mortised Drop Seal Fitting Guide

## What is a Drop Seal?

Drop seals plug the problematic threshold gap between the floor and the door.



## About the PDB Drop Seal

The PDB drop seal is an all-in-one, high performing, durable drop seal that provides a complete door bottom solution. It is the only drop seal to offer a patented arm controlled mechanism and composite aluminium and EPDM rubber sealing bar.






## How does the PDB Drop Seal Work?

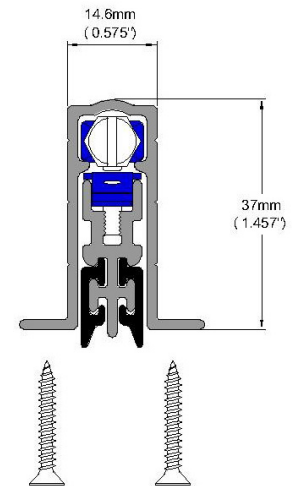
The PDB can be either mortised or surface mounted onto the bottom of the door panel. When the door is fully closed, the actuator button engages with the hinge side door jamb and is compressed. This activates the sealing bar which lowers until the threshold gap is sealed.

## CONTENTS

- ✓ PDB 411M
- ✓ End plates
- ✓ Fixing screws

## TOOLS REQUIRED

-  Tape measure
-  Pencil / marker
-  Saw (power or hand)
-  Knife
-  Screw driver



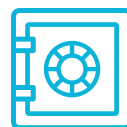
1 Solution,  
1 Seal



Improved  
Fire safety



Acoustic  
Control



Security



Sustainability



Pest  
Control

# Drop Seal Fitting Guide

## PDB 411M – Mortised

### Pre-installation Checks

1. Check the door and seal rating requirements prior to fitting any drop seal to make sure the ratings match.
2. For mortised applications, the door will need to be channelled at the door bottom. If the door is not supplied with this feature, a channel needs to be cut before attempting installation of the drop seal. Do not compromise the door construction – check manufacturer's details.
3. Remove the drop seal from the packaging and check maximum cut back sizes (if required).

### Installation Detail

1. Remove the PDB 411M from the packaging.
2. Remove the door from the frame. Note: door panel will need to be mortised – please refer to item 2 in pre-installation checks.
3. Measure the width of the door.
4. If cut back required, remove the end plate and cut the PDB 411M on the non actuator side to the full width of the door.
5. Fit the PDB 411M into the mortised groove with the actuator button on the hinge side of the door. NOTE: Please ensure underside of the PDB 411M is flush with the bottom of the door.
6. Fix the PDB 411M to the door panel using screws. These are to be secured via the fixing holes provided on the underside of the outer casing.
7. Re-hang the door panel, ensuring that the actuator button meets the hinge side door jamb.
8. Adjust the drop bar accordingly to ensure that the threshold gap is fully sealed when the actuator button is engaged. APPLY THE PAPER TEST. Slip a single sheet of standard A4 paper under the closing door. Once the door is closed the paper should be gripped firmly between the drop bar and threshold. If not, adjust the actuator button in or out as required. NOTE: Adjustment range is 3mm min – 15mm max.

#### Cut Back Sizes

Do not cut the PDB 411M shorter than 100mm or this will effect the performance of the seal.

NOTE: Any cutting must be on the non-actuator button end of the drop seal.



PDB Drop Seal Fitting Guide is based on our experience and knowledge and provided in good faith as a general guide. If any further technical detail is required, please contact our technical team. Contact details can be found on our webpage.

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