

ENIGMA
POCKET DOORS

Acoustic Kit Concealed Frame

Installation Guide

SEL-PRT-01057 | Rev. 1



EI30Sa Fire Rated
28dB-30dB Acoustic Attenuation



EI30Sa



28dB-30dB

Thank you for choosing Enigma

To ensure the installation process is simple and efficient, we recommended you read this guide in full first.

Specific tools are also required to complete the installation:



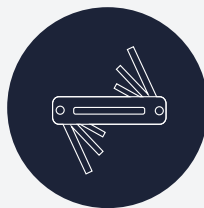
Pencil



Tape Measure



Knife



Hex Keys (metric)



Hacksaw / Tin-snips



Laser Level



Cordless Screwdriver



Power Chop Saw

Fire certification guidance

IMPORTANT

If fitting a fire-rated kit with a fire-rated lock or fire-rated flush door handle please refer to the field of application for intumescent detail, or contact Selo:

We are the only doorset manufacturer to offer Halo Assist™ providing you with dedicated project support at every stage.

call 020 3880 0339

halo
assist

Getting started

Before you start installation ensure you have read and understood the instructions.

DELIVERY

The Enigma pocket Door system will be delivered in at least two boxes. One is the pocket frame and the other is the trim surround.

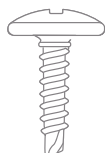
If a Door leaf has been ordered this will come separately.



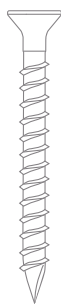
Acoustic kit contents

Familiarise yourself with components included. All fixings will come pre-packaged to suit your specific project requirements.

FRAME FIXINGS



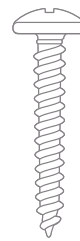
Type-01 - 4.2×13.5mm
Wafer Head
Self Drilling
SEL-PRT-00685



Type-02 - 4.5×40mm
Countersunk Pozi Single Slash
Wood Screws
SEL-PRT-00686



Type-03 - 4×50mm
Countersunk Pozi
Wood Screws
SEL-PRT-00687



Type-04 - 4×30mm
Cross Round Head Pozi
Wood Screws
SEL-PRT-00688

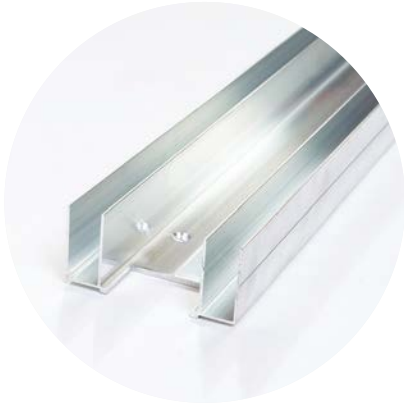


Type-05 - 3.5×25mm
Bugle Head Phillips
Self Drilling
SEL-PRT-00689

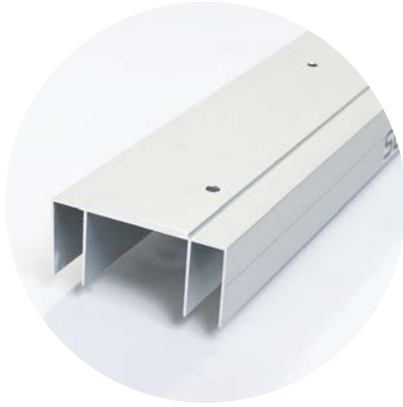


Type-09 - 5×50mm
Countersunk Pozi Single Slash
Wood Screws
SEL-PRT-00693

SYSTEM COMPONENTS



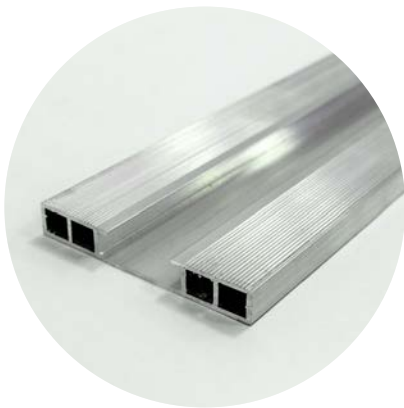
Base Channel



Head Channel



Leading Edge Jamb



Intermediate Jamb



Timber Insert



Sliding Track



Remote-stop



Door Guide Pin & Channel Set



Sliding Gear Set



Seals & Foam Tape

Wall construction preparation

The Enigma system can be fitted to steel or timber studwork partitions. If using steel you must ensure the head stud is strong enough to take the Door weight.

IMPORTANT INSTALLATION NOTES

1. Studwork size

The studwork size required is **94mm**. If using steel studs a 94mm head and base Track and **92mm** uprights should be used.

2. Steel studs

If using steel studs, timber inserts are required within the studs to provide additional strength.

3. Allow for Accessories

If you are using a soft closer, touch latch or simultaneous opening mechanism ensure you familiarise yourself with these instructions first.

4. Self-supporting Head

For situations in high rise buildings where you cannot fix to the ceiling or soffit then use the Enigma Self-supporting Head installation detail.

Follow standard Enigma instructions to calculate your studwork structural opening and add the following dimensions:

Width +94mm and **Height +220mm**. Refer to the specific Self-supporting Head installation instructions for further details.

Bespoke requirements?

Enigma can be customised to suit bespoke projects. In principle, the installation process remains the same, however certain installation dimensions may differ. Please contact the Selo team to discuss your bespoke requirements.

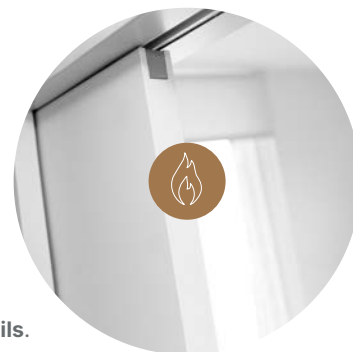


EI30Sa Calculations

REQUIRED ADAPTIONS

SELF-SUPPORTING HEAD > Follow the standard Enigma instructions to calculate your studwork structural opening and add the following dimensions: **Width +94mm** and **Height +220mm**

IMPORTANT Refer to the specific Self-supporting Head installation instructions for further details.



OPENING CALCULATIONS



FROM KNOWN
Door dimensions



CALCULATE
Structural opening dimensions

Single Door

Structural opening width
= x2 Door leaf width -77mm

Structural opening height
= Door leaf height +77mm



FROM KNOWN
Door dimensions



CALCULATE
Clear opening dimensions

Single Door

Clear opening width
= Door leaf width -153mm

Clear opening height
= Door leaf height -18mm



FROM KNOWN
Structural opening dimensions

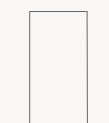


CALCULATE
Door width and height

Single Door

Door width
= Structural opening width +77mm ÷ 2

Door height
= Structural opening height -77mm



FROM KNOWN
Clear opening dimensions



CALCULATE
Door width and height

Single Door

Door width
= Clear opening width +153mm

Door height
= Clear opening height +18mm

Base Channel Calculations

Please refer to Step 5 of the Frame Installation instructions shown on page 12.



STRENGTHEN HEAD

When constructing your stud partition, please ensure the head is strong enough to take the weight of the sliding Door that will hang from it.

IMPORTANT

If using a Self-supporting Head please refer to those specific installation instructions.

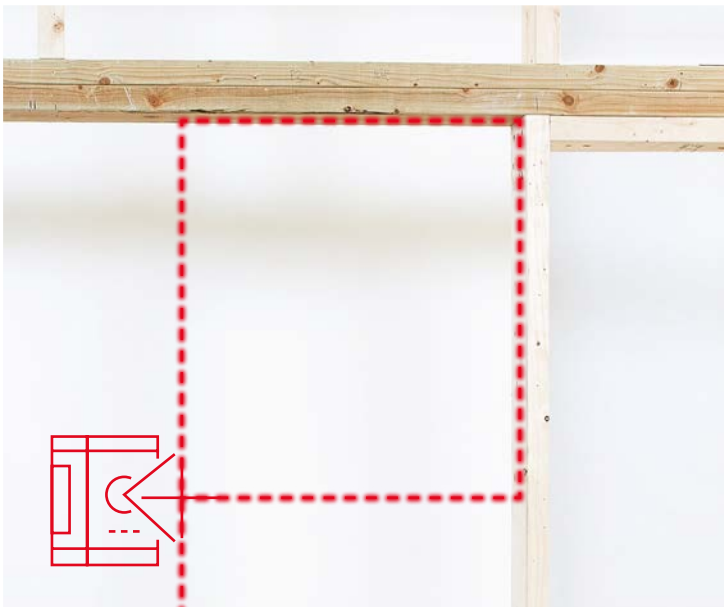


CHECK SIZE WITH SCHEDULE

When forming the structural opening, please ensure you are working to the correct opening size provided on the Door schedule.

IMPORTANT

If using a Self Closer please refer to those specific installation instructions.



LEVEL-UP

Ensure the opening is square and plumb.

IMPORTANT

We strongly recommend the use of a laser level for setting out.

Frame installation

IMPORTANT Refer to the specific Self-supporting Head installation instructions for further details.



PREPARE HEAD CHANNEL & SLIDING TRACK

A. Cut the **Head Channel** to suit the structural opening width.

B. Remove the **Remote Stop**, then cut the sliding top Track to the structural opening width, **less 80mm**.



HEAD CHANNEL PREPARATION

A. Mark **75mm** from the end of the **Head Channel**.

B. Line the end of the top Track with the mark and pilot drill the holes through the **Head Channel**.

IMPORTANT

Ensure the groove in the centre of the Track and the Head Channel line up as shown.



INSERT THE REMOTE STOP

Slide the **Remote Stop** into the groove in the track as shown.

The Plastic Clip needs to be located at the rear of the pocket, the opposite end of the Track from that used to mark the **75mm** line on the **Head Channel**.



FIT THE HEAD CHANNEL AND TOP TRACK

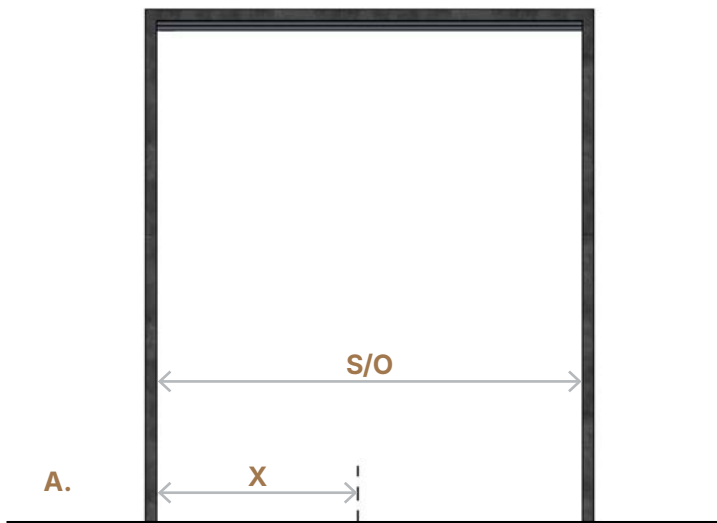
A. Put the **Head Channel** in place and fix using **Type-02** Screws. The end with 75mm marked butts against the Strike Stud.

B. Line the top Track with the pilot drilled holes and fix using **Type-03** Screws. Only use the silver **Type-03** Screw provided to secure the Track into place - Use of a larger Screw will prevent the **Remote Stop** from sliding freely within its groove. It will be necessary to slide the **Remote Stop** back to access all the fixing holes in the Track.

Base Channel length

EI30Sa Concealed Trim (C FR)

SINGLE $X = \text{Door Width (plus) } + 5\text{mm}$



IMPORTANT

Base Channel cut-out may look different if your Door is specified with a D-handle.

CALCULATE LENGTH OF BASE CHANNEL

IMPORTANT

If provided with a cut-to-size system, skip to Step 6

To accurately determine the length of the **Base Channel**, first calculate the required clear opening (**X**) using the Base Channel position calculations on the left.

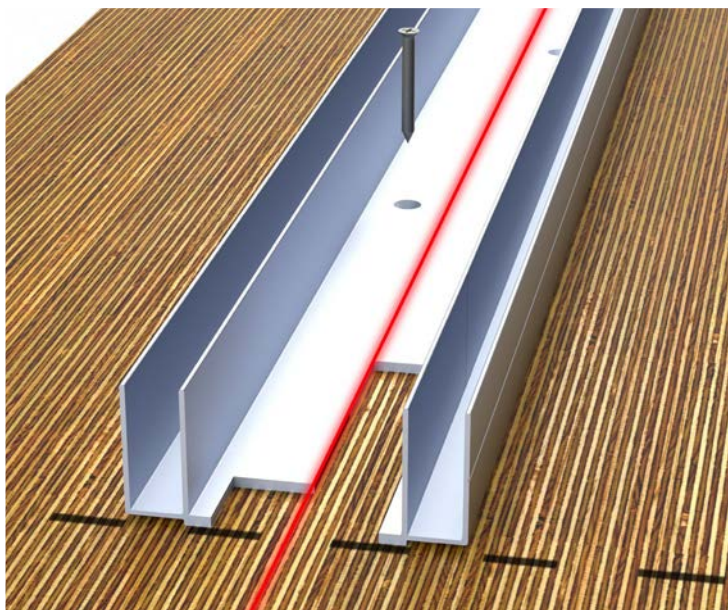
Measure back from the **Strike stud** and mark the measurement on floor. *Image A.*

Cutting Base Channel to size

Measure the **Structural Opening** and minus the **X** calculation(s).

Cut the **Base Channel** to this dimension, **DO NOT** cut off the end with the notch. *Image B.*

Proceed to **Step 6**.



LINING UP & FIXING BASE CHANNEL

Place the **Base Channel** on the floor between the line marked in **Step 5** and the rear stud.

At this stage it is vital that care is taken to ensure that the centre line of the **Base Channel** is in line and plumb with the **Head Channel**. Any deviation in this alignment will result in misaligned Doors and Trims.

Secure to the ground with **Type-02** fixings.



CUT LEADING EDGE & INTERMEDIATE JAMB

Cut the **Leading Edge Jamb** and **Intermediate Jamb** 15mm less than the structural opening height.



CUT & FIT INTERMEDIATE TIMBER INSERT

Cut the intermediate **Timber insert** 100mm shorter than the aluminium Jamb and slide the insert into the **Intermediate Jamb** so it sits 50mm from each end.

IMPORTANT

When using Door leaves wider than 926mm the kit will be supplied with extra Intermediate Jamb to be fitted equally space within the pocket width.



FIT POCKET SIDES & FIX THE JAMB

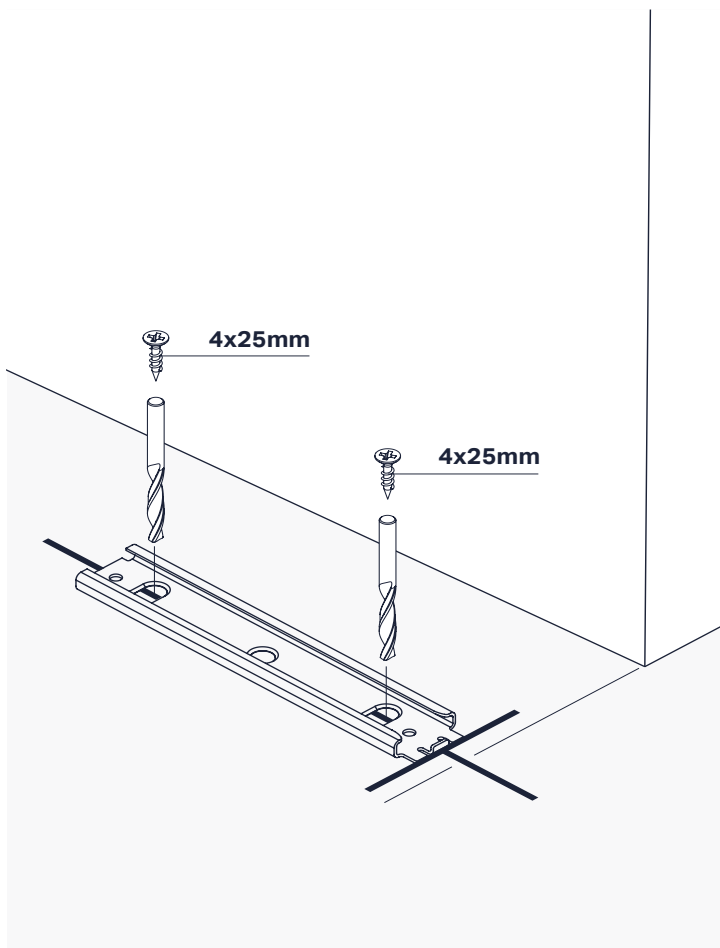
A. Slide the **Intermediate Jamb** into the **Head Channel** and **Base Channel** with the **Timber inserts** facing out so it sits centrally in the pocket. Fix using **Type-01** Screws.

B. Slide **one** of the **Leading Edge Jambs** into **Base Channel** with notched end at the top, so the flange sits hard against the end of the **Base Channel**.

IMPORTANT

Only install one **Leading Edge Jamb** to aid the **Door** installation later on.

Plumb the Jamb and fix into place using one **Type-01** Screw top and bottom as shown in the image. Must be posited furthest from the opening.



FIT FLOOR PIN TRAY

Fix the aluminium **Floor Pin Tray** to the floor inside the **notched end of the Base Channel** ensuring the release tab is pointing towards the **Strike Jamb** as shown.

IMPORTANT

The actual **Floor Pin** does not need to be installed yet.



FOAM TAPE

Offer up the **Foam Tape** and cut to size as shown in the example.

Peel the self-adhesive backing off and stick in line with the middle Screw hole of the Floor Pin Tray, ensuring that it doesn't overlap the Tray.

Door leaf installation

The Door leafs needs to be fitted before the intumescent seals are applied.

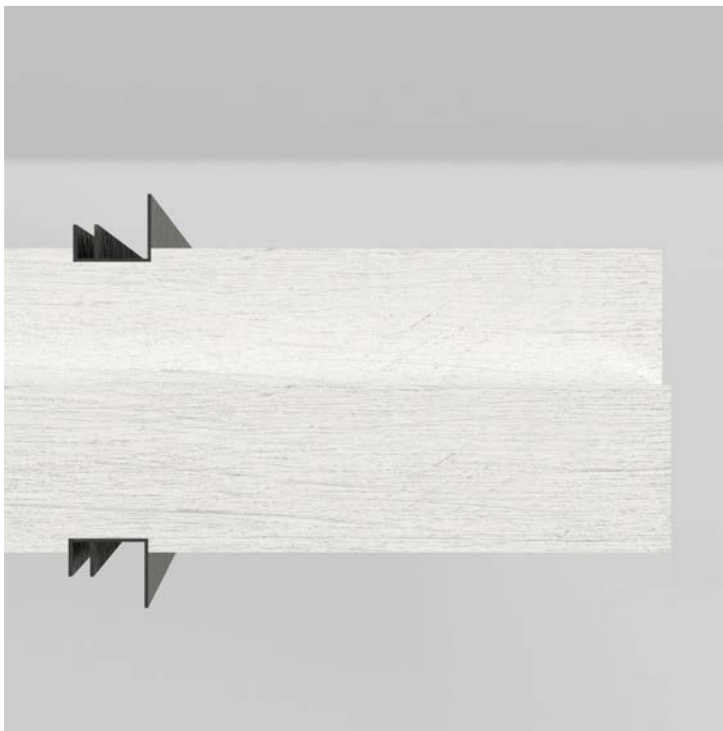


INSTALL BUBBLE SEAL

Cut the **Bubble Seal** to length and fit to the Leading Edge aluminium profile.

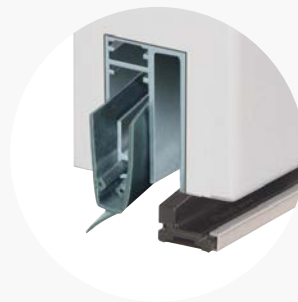
IMPORTANT

The Seal ends need to be touching the Head Channel and Base Channel with no joins.



INSTALL VERTICAL SEALS

Install **Vertical Seals** as pictured at the rear of the Door.



NOTE

The Bottom Seal (shown above) will be pre-installed.

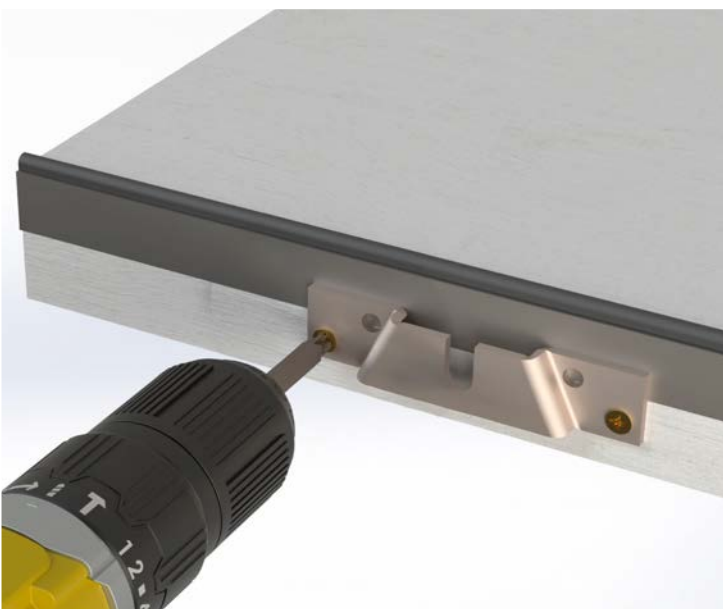
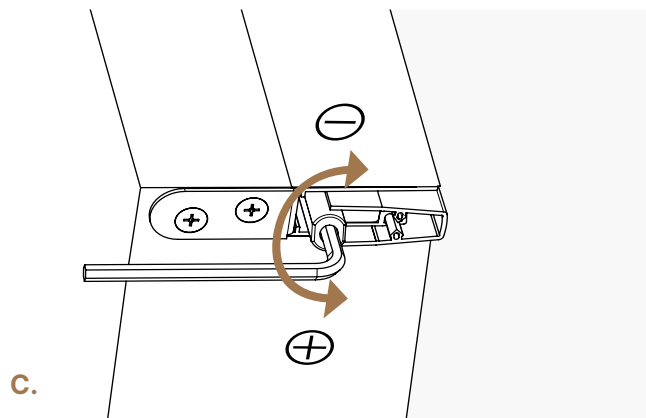
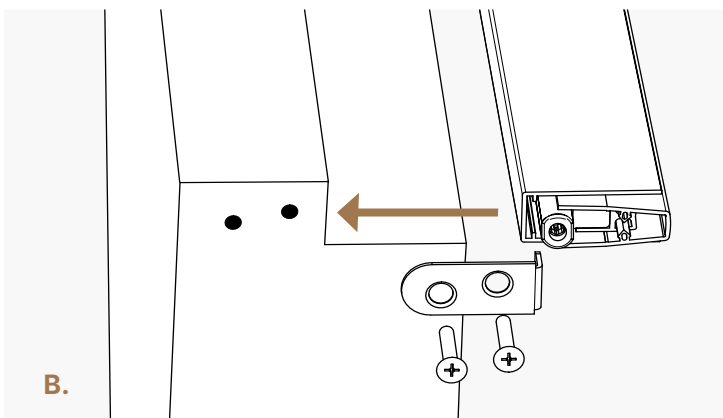
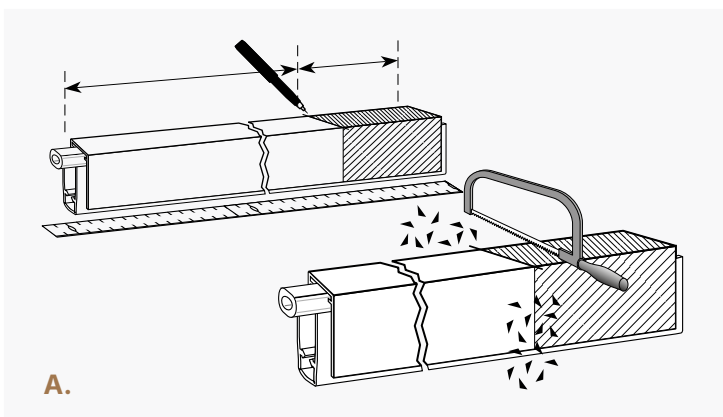


INSTALL TOP DROP SEAL IN DOOR

A. If cutting down the Seal, it should be **1-2mm shorter than the Door width**. Shorten from the opposite side of the activator. Use a saw to cut the Seal, ensuring all shavings are cleared.

B. Drill **pilot holes** in the Door for the **Bracket Screws**. Insert the Seal and Screw fix the angle Bracket.

C. Seal extension can be adjusted with a **3mm Hex Key**.



INSTALL HANGER BRACKETS

Fit the **Head Brackets** 150mm from the edge of the Door leaf to centre of the Bracket, ensuring both Brackets are the same way up.

Affix through **two holes only** going into the Door core using the Screws provided.

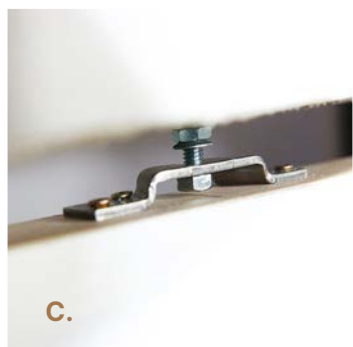
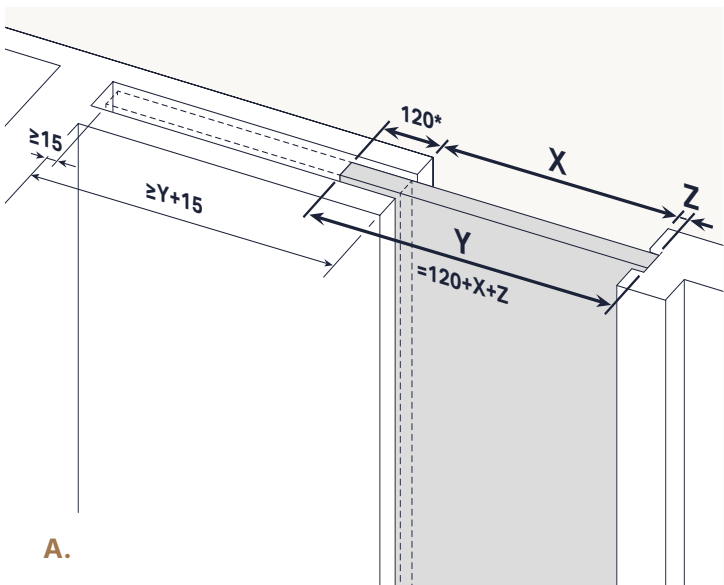
IMPORTANT

Do **NOT** Screw into the Top Seal.



ASSEMBLE GEAR

- A.** Screw the Bolts into the Trolley several turns and then insert them into the Track.
- B.** Adjust the Bolts to achieve a gap approximately **20mm** between the underside of the Track and the top of the Bolt.



HANG THE DOOR

- A.** Fix the Brackets to the top of the Door as per the dimension shown.
- B.** Feed the rest of the Door at least halfway into the pocket and hang the front Bracket onto the Trolley Bolt.
- C.** With spanners provided, wind the Bolts up or down to plumb the Leading Edge of the Door and to achieve the required gap under the Door (Door undercut).

Tighten the Locking Nuts to secure the Door to the Brackets. They may need to be slacked-off later, to true the Door to the Trims once they are fitted.



FIT REMAINING POCKET SIDE

A. Slide the remaining **Leading Edge Jamb** into **Base Channel** with notched end at the top, so the flange sits hard against the end of the **Base Channel**.

Plumb the Jamb and fix into place using one **Type-01** Screw top and bottom as shown in the image. Must be posited furthest from the opening.

B. In order to support the pocket sides before plasterboarding, insert the **Pocket Packer** into the pocket as shown.

IMPORTANT

The **Pocket Packers** must be used to stop the side walls bowing when fixing plasterboard to the pocket.



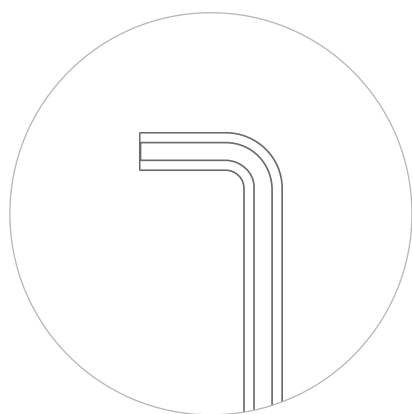
PLASTERBOARD THE WALL

Plasterboard over the pocket along with the rest of the wall using the **Type-05** self drilling Screws provided. It is vital to ensure the Leading Edge jambs remain completely vertical and plumb once boarded.

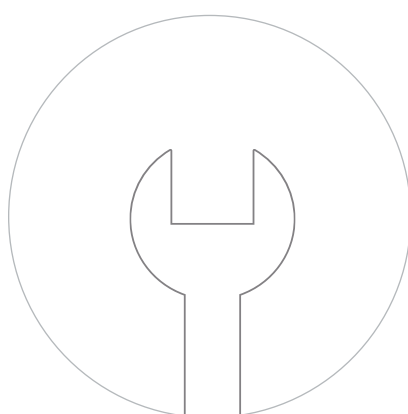
Concealed trim installation

Familiarise yourself with components included. All fixings will come pre-packaged to suit your specific project requirements.

SUPPLIED TOOLS



Hex Key



Spanner

TRIM FIXINGS

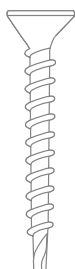


Type-05 - 3.5×25mm
Bugle Head Phillips
Self Drilling
SEL-PRT-00689

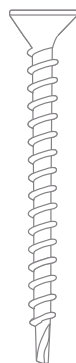
TRIM FIXINGS



Type-06 - 4.5×60mm
Countersunk Pozi Single Slash
Wood Screws
SEL-PRT-00690



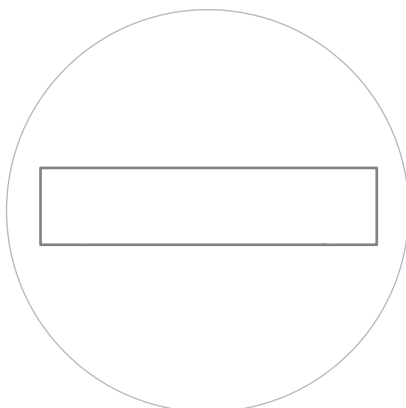
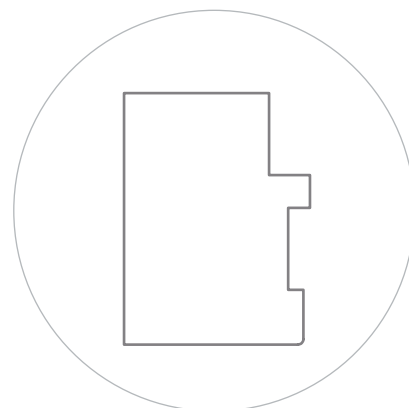
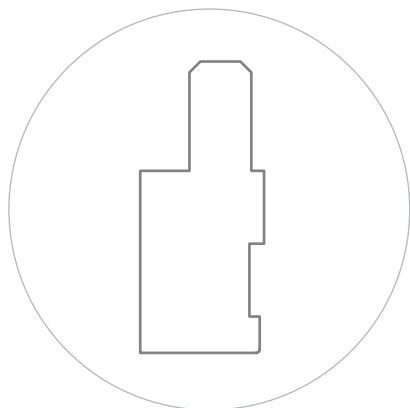
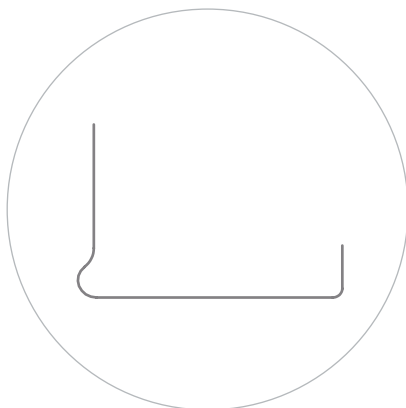
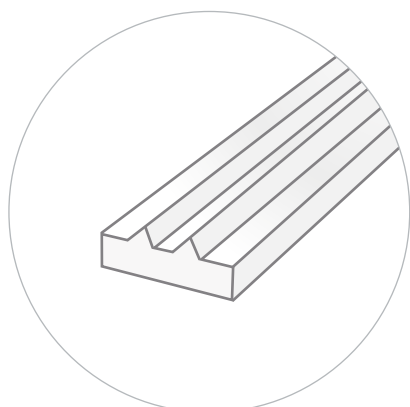
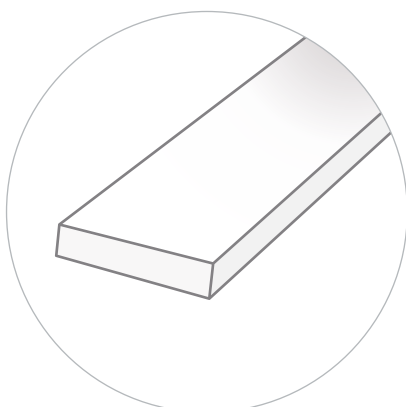
Type-07 - 3.5×32mm
Bugle Head Phillips
Self Drilling
SEL-PRT-00691

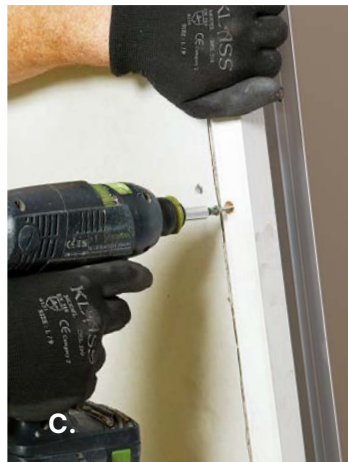
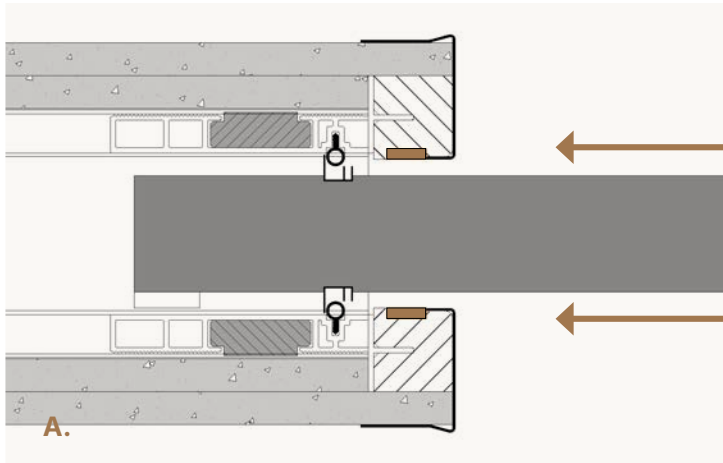


Type-08 - 3.5×42mm
Bugle Head Phillips
Self Drilling
SEL-PRT-00692



Type-09 - 5×50mm
Countersunk Pozi Single Slash
Wood Screws
SEL-PRT-00693

TRIM COMPONENTS**Leading Edge Trim****Strike Trim Pt1****Strike Trim Pt2****Head Trim****Concealed Metal Trims****Intumescent Seals**
15×4mm**Intumescent Seals**
20×4mm**Strike Jamb Seals**



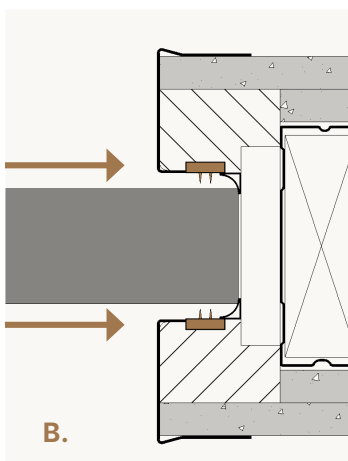
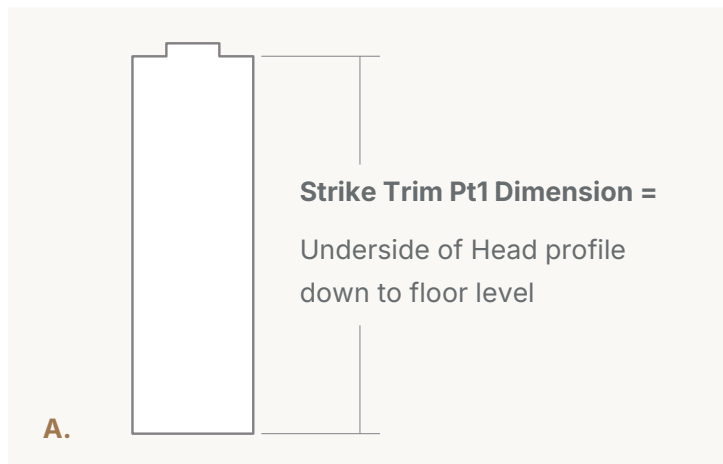
INSTALL LEADING EDGE TRIMS

Cut the **Leading Edge Trims** and the **Intumescent Strips** the height of the opening.

A. Remove the self adhesive backing from the Intumescent Strips and apply to the routed grooves of the **Leading Edge Trims**.

B. Slot the Trims over the flange on the Leading Edge aluminium Jamb, with the Intumescent Strips facing in towards the Door.

C. Secure into position with the **Type-05** Screws at **300mm** intervals. Please note that the timber will need to be pilot-holed first.



INSTALL STRIKE TRIMS

A. Cut **Strike Trim Pt1** as per the drawing, measuring from the notch to the end that is not notched. Cut the **Strike Trims Pt2** and **Intumescent Strips** to the same length.

B. Remove the self adhesive backing from the Intumescent Strips and apply to the routed groove on the backs of the **Strike Trims Pt2**.

Fit the notched end of **Strike Trim Pt1** centrally in the head Channel and plumb down using a level. Fix into place using the **Type-09** Screws.

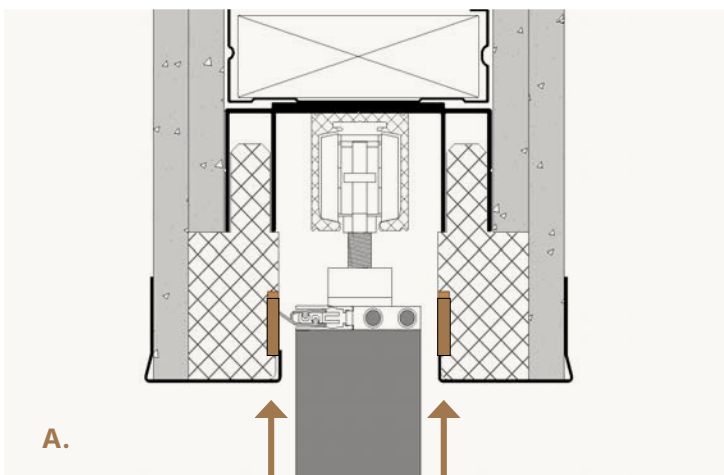
C. Fit the **Strike Trim Pt2** to either side of **Strike Trim Pt1** and fix into place using the **Type-06** Screws. Please note that the timber will need to be pilot-holed first.



LINE THE DOOR UP

If required, the **Door can now be trued** into alignment with the Leading Edge Trims by adjusting the **Hanger Bolts** up or down as necessary.

When you're happy that everything is aligned and the **gaps between the Door and Trims are equal**, lock the Bolts firmly into position by winding down the **Locknuts**.



INSTALL HEAD TRIM

Cut the **Head Trim** and the **Intumescent Strips** to the distance between the two timber Side Jambs.

A. Remove the self adhesive backing from the Intumescent Strips and apply to the routed groove on the backs of the **Head Trim**.

B. Slot the Head Trim into place, secure into position with the **Type-05 Screws** at **300mm** intervals. Please note that the timber will need to be pilot-holed first.





INSTALL METAL STRIKE TRIM

Cut the trim to the height of the opening and fit over wall end and fix through the perforated flanges using the **Type-05** screw.

IMPORTANT

The notched end of the trim goes at the top and fits inside the head channel.



INSTALL METAL LEADING EDGE TRIM

Cut the trim to the height of the opening and fit over the pocket sides and fix through the perforated flanges using **Type-05** screw.

IMPORTANT

1. Fixings need to be every 200mm.
2. Ensure opening is plumb and square before plastering.



INSTALL METAL HEAD TRIM

A. Cut the trim to the width of the opening and fix into place using **Type-05** screw.

IMPORTANT

Ensure the rebates in the profiles line up.

B. Apply plaster fibre tape to top corners.

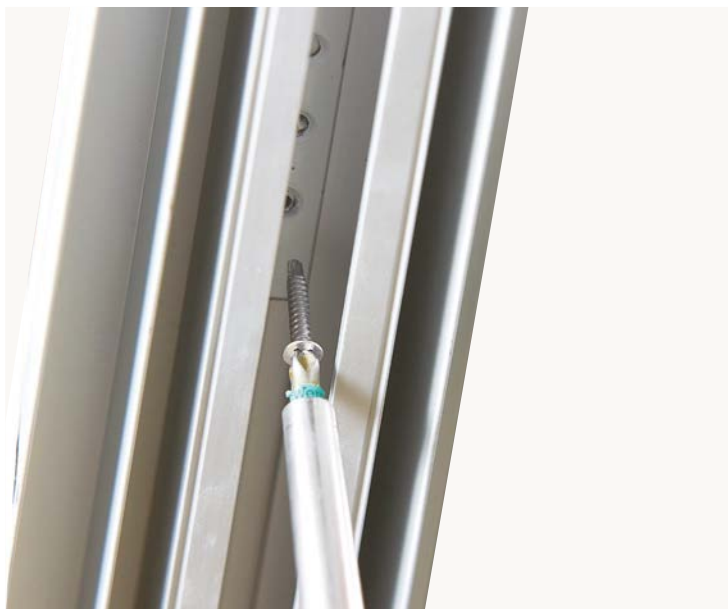
IMPORTANT

Before tape and jointing over the trims, using a laser level ensure that they are straight and true.



SET CLOSER STOP

Adjust Plastic Clip, so the Door leaf closes and is held in place, against the Strike Jamb.



ADJUST REMOTE STOP

Adjust the remote-stop so it holds the Door **130mm from the Leading Edge Trims** with the Leading Edge Trims when the rear Trolley is engaged on the stop.

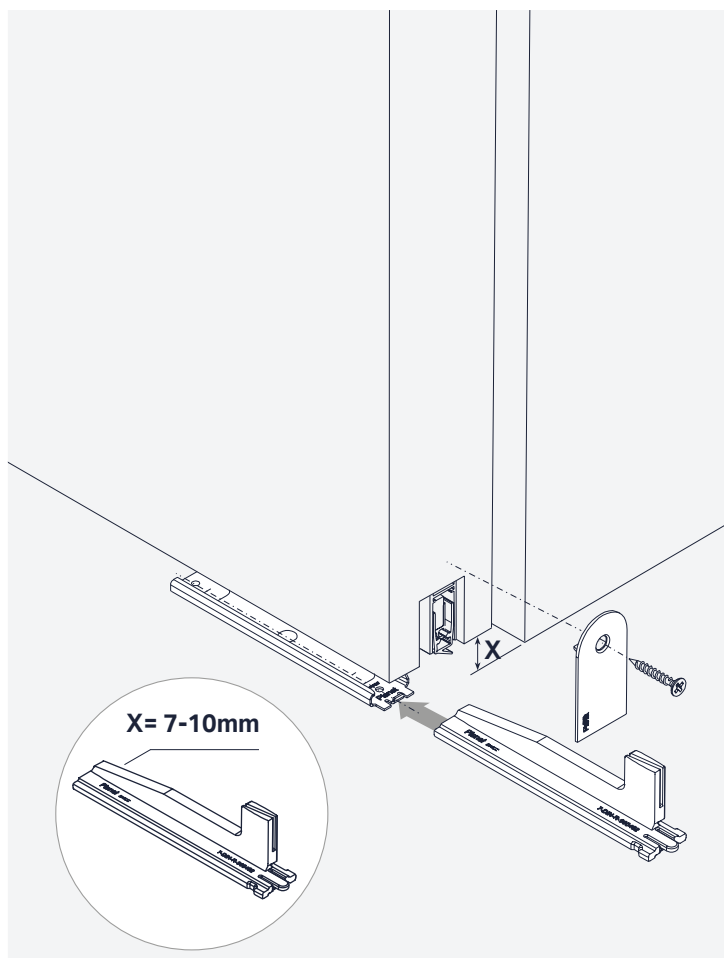
When correctly aligned, fix the **Stop** into place with the self-drilling Screw provided making sure that all swarf is wiped/ hoovered from the Track. Any debris left in the Track will cause the Door to 'rumble' as it opens and closes.



FIT END BLOCK

The **Track End Block** fits at the end of the Track for a single Door and in the middle of the two Tracks for a double Door.

First drill a pilot hole and fix the Block into place using the **Type-10** Screw.



FIT FLOOR PIN

If required, remove the **Cover Plate** from the bottom of the Door. Slot the **Floor Pin** into the Floor Pin Tray.

If needed, the Floor Pin can be removed using long-nose pliers to compress the release tab on the front edge of the Floor Pin Tray.

Screw-fix the **Cover Plate** to the Door Leaf.



FIT BATWING STRIKE SEALS

Fit the Rubber Seals to the corners of the Strike Trim as shown.



QUALITY CONTROL

Check the functioning of the pocket Door to ensure it opens and closes correctly.

When closed check the gaps are consistent and that there is no light bleed.



FINISHING

Now the wall can be tape and jointed and wall and Trims painted.

IMPORTANT

We recommend tape and jointing not plastering.

The Pocket Door ***Movement***[™]

Save Space. Improve Accessibility. Increase Value.

www.enigmapocketdoors.com

