Thank you for choosing Enigma

To ensure the installation process is simple and efficient, we recommend you read this guide in full first. Specific tools are also required to complete the installation:

- Pencil
- Tape Measure
- Knife
- Hex Keys (metric)
- Hack saw / Tin snips
- Laser Level
- Cordless Screwdriver
- Power Chop Saw

Getting started

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

DELIVERY

The Enigma pocket door system will be delivered in 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.
Enigma kit contents

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

**FRAME FIXINGS**

- **Type-1**
  - 19mm self drilling pan head screw

- **Type-2**
  - 40mm screw

- **Type-3**
  - 50mm screw

- **Type-4**
  - 30mm screw

- **Type-5**
  - 25mm self drilling screw

**SYSTEM COMPONENTS**

- Base Channel
- Head Channel
- Leading Edge Jamb
- Intermediate Jamb
- Timber Insert
- Sliding Track
- Remote Stop
- Door-guide Pin & Channel
- Sliding Gear Set
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. **Doors above 2300mm**
   If the door height you are installing is above 2300mm then using 2 layers of plasterboard is recommended.
   This applies to Concealed frame NFR, Visible frame NFR and Visible frame FD30. To order kits to suite two layers of plasterboard add the suffix (145) to the product code.

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.

5. **Allow for Accessories**
   If you are using a soft closer, touch latch or simultaneous opening mechanism then ensure you familiarise yourself with these instructions first.

**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.

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**1. 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.

**2. 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 then please refer to the self closer installation instructions.

**3. Level-up**
Ensure the opening is square and plumb.

**Important**
We strongly recommend the use of a laser level for setting out.
Concealed frame (NFR)

**IMPORTANT**
If using a simultaneous opening mechanism the door leaf needs to be reduced in height by an extra 5mm.
If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.

**STRUCTURAL OPENING CALCULATIONS**

<table>
<thead>
<tr>
<th>FROM KNOWN</th>
<th>CALCULATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door dimensions</td>
<td>Structural opening dimensions</td>
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<tr>
<td>Clear opening dimensions</td>
<td>Door width and height</td>
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<tr>
<td>Structural opening dimensions</td>
<td>Door leaf width</td>
</tr>
<tr>
<td>Base channel dimension</td>
<td>Base channel width = Door width -14mm</td>
</tr>
<tr>
<td>Clear opening width = Door leaf width -33mm</td>
<td>Clear opening height = Door leaf height +33mm</td>
</tr>
<tr>
<td>Structural opening width = x2 Door leaf width +68mm</td>
<td>Structural opening height = Door leaf height +59mm</td>
</tr>
<tr>
<td>Double Doors</td>
<td>Single Doors</td>
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<tr>
<td>Clear opening width = x2 Door leaf width +40mm</td>
<td>Clear opening height = Door leaf height +14mm</td>
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<tr>
<td>Clear opening height = Door leaf height +14mm</td>
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<tr>
<td>Door width = Structural opening width -68mm</td>
<td>Door height = Structural opening height +59mm</td>
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<td>Double Doors</td>
</tr>
<tr>
<td>Base channel width = Door width -14mm</td>
<td>Base channel width = Door width +17mm from centre of kit</td>
</tr>
</tbody>
</table>
A) Frame installation

**PREPARE HEAD CHANNEL & SLIDING TRACK**

**Single doors**
1a Cut the Head channel to suit the structural opening width.
1b Remove the Remote stop, then cut the sliding top track to the structural opening width, less 80mm.

**Double doors**
Measure the structural opening width, divide in half and cut two head channels to that length. Cut the sliding track 40mm less than the head channel length.

**HEAD CHANNEL PREPARATION**

**Single doors**
2a Mark 63mm from the end of the head channel.

**Double doors**
Mark 30mm from one end of both head channels.

2b 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.

**FIT THE HEAD CHANNEL AND TOP TRACK**

**Single doors**
4a Put the Head channel in place and fix using Type-2 screws. The end with 63mm marked butts against the strike stud.

4b Line the top track with the pilot drilled holes and fix using Type-3 screws. Only use the silver Type-3 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.

**Double doors**
Butt the ends of the Head channels marked 30mm from the end together in the centre of the structural opening width.

**IMPORTANT**
1. If you are using the soft close mechanism, please refer to soft closer instructions before proceeding.
2. If using any of the following devices then please do not insert the remote stop:
   - Soft Close & Open
   - Touch Latch

**INSERT THE REMOTE STOP**

Slide the Remote stop into the groove in the track as shown in 3a. The white plastic clip needs to be located at the rear of the pocket, the opposite end of the track from that used to mark the 63mm line on the Head channel.

**IMPORTANT**
If you are using the self supporting head detail please refer to the specific Enigma self supporting head instructions.
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 secured directly underneath the centre line of the track above. Any deviation in this alignment will result in misaligned doors and trims.

Secure to the ground with Type-2 fixings.

CUT LEADING EDGE & INTERMEDIATE JAMB

Cut the Leading edge jamb and Intermediate jamb 15mm less than the structural opening height.

NFR Concealed Trim (C)

Single = Door width -14mm
Double = Door width -17mm from centre line of kit

IMPORTANT

If you are using a touch latch or a self closer you need to make sure you have added the extra width needed.

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 leafs wider than 926mm the kit will be supplied with extra intermediate jambs to be fitted equally within the pocket width.

Base channel

Position calculations

NFR Concealed Trim (C)

Single = Door width -14mm
Double = Door width -17mm from centre line of kit

Single doors

To accurately determine the location of the Base channel, you need to refer to the 'Base channel position calculations' below, relevant to your specific trim type. (The trim type is shown on the main box label). Measure this dimension back from the strike stud and mark it on the floor.

Double doors

Transfer the centre of the structural opening width onto the floor. Calculate your door leaf width for your specific kit type using the formula’s shown on the left. Measure this dimension back from the centre line and mark the floor at this point. From this second mark measure back to the rear stud and the base channel to that length.

Once you have calculated the length, cut the base channel to this dimension ensuring you keep the notched end.

Line the notched end of the Base channel with the mark made on the floor, ensure that it is in line and plumb with the head channel and fix into place using Type-2 screws.
**FIT POCKET SIDES & FIX THE JAMB**

10a 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-1 screws.

10b Slide the 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-1 screw top and bottom as shown in the image. Must be posited furthest from the opening.

**FIT DOOR GUIDE PIN**

Fit the door guide pin at the finished floor level with Type-4 fixings. The pin offset needs to be facing the strike stud and aligned centrally with the centre line on the base channel.

If your installation requires the door guide pin to be raised up - use the 1mm stackable packers

**IMPORTANT**

1. The pin needs to be fitted at FFL (finished floor level). If the finished floor is not yet installed, fitment of the floor pin can be delayed until the flooring is completed.

2. If you are installing an acoustic Enigma to achieve 25dB and above then the pin will need to be offset to suit the door. Fit the pin once you have the door to hand to ensure you can set the position correctly.

**FIT THE PACKER**

In order to support the pocket sides before plasterboarding, insert the pocket packer into the pocket as shown.

**PLASTERBOARD THE WALL**

Plasterboard over the pocket along with the rest of the wall using the Type-5 self drilling screws provided. It is vital to ensure the leading edge jambs remain completely vertical and plumb once boarded.

It is essential to clear out all swarf or debris that may be in the top track and bottom channel at this stage.

**IMPORTANT**
The cardboard packer must be used to stop the side walls bowing when fixing plasterboard to the pocket.
B) Trim installation

Now the pocket door jamb is installed you are ready to install the concealed frame.

**TRIM COMPONENTS**

- Concealed Strike Trim x1
- Concealed Leading Edge Trim x2
- Concealed Head Trim
- Strike Jamb Seals
- Fixings Bag

**FIT BRUSH STRIP**

Cut the brush strip to length and fit to the leading edge aluminium profile.

**IMPORTANT**

1. If using simultaneous opening ensure that the door leafs and head trims have been fitted. Refer to the simultaneous opening instructions for more.

2. If using a self closer then please refer to the self closer installation instructions. Only fit plasterboard to one side of the pocket until the door leaf and self closer are fitted and working correctly.

**INSTALL THE 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-5 screw.

**IMPORTANT**

The notched end of the trim goes at the top and fits inside the head channel.
When installing double doors the strike jamb will not be used.

**Double Doors?**

**Install the Head Trim**

Cut the trim to the width of the opening and fix into place using Type-5 screw.

**Important**

1. Ensure the rebates in the profiles line up.
2. If using simultaneous opening the metal trim fits over the top of the timber trim and plasterboard. Refer to the simultaneous opening instructions for further direction.

**Install the 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-5 screw.

**Important**

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

**Plastering Preparation**

Apply plaster fibre tape to top corners.

**Important**

Before plastering in the trims, using a laser level ensure that they are straight and true.

**Plaster/Tape Joint and Paint**

Now the wall can be finished up to the edge of the plasterboard with multi-skim finish plaster or tape and jointing compound.

Once the plaster/jointing compound has dried the wall and trims can be painted.

**Strike Jamb Seals**

If the kit used is a single door leaf then the rubber corner seals need to be applied to the corners of the rebate in the strike jamb.
C) Door leaf installation

With the NFR concealed system the door leaf can be installed after the frame has been plastered.

1. **Fit head brackets**

Fit the head brackets in the rebates provided in the door head with the Type-3 screws. The longer bracket is used at the front of the door.

**IMPORTANT**

If you are using a soft close mechanism, please refer to the soft close instructions to install the door leaf.

2. **Fit the guide channel**

Tap the black nylon door guide channel into the groove in the bottom of the door and fix into place using a thin bead of adhesive or pins.

3. **Assemble gear brackets**

Force the hanger bolt into the gear bracket using a mallet or hammer. This will hold the bolt captive in the bracket.

**Sliding gear preparation**

3.1. Slide the trolley into the top track

3.2. The right angled bracket goes to back of door

3.3. Adjust brackets so they are 25mm from underside of the track

4. **Final preparation**

Slide the rear gear bracket into the door head bracket and fix into place with the 4 Type-4 screws provided.
HANGING THE DOOR LEAF

5.1 Slide the front bracket into place and tighten the bolt

5.2 Fit the bracket end cap (can be removed and refitted for painting)

5.3 Ensure the door is plumb and level. Bolts in the roller trolley can be used for adjustment

Securing the door leaf

5.1 Slide the front edge of the door and carefully slide it back into the pocket.

Take care to line it up with the guide pin.

FIT THE FRONT DOOR STOP

Slide the white nylon door stop into the track and fix into place by tightening the grub screw.

IMPORTANT

1. This needs to be adjusted to ensure it stops and holds the door in the correct place.

2. If using a soft closer please follow the specific soft closer instructions.

FIT TRACK 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.

Congratulations!
You’ve now completed the installation of your Enigma doorset.

FIT REMOTE STOP INTO PLACE

Adjust the remote stop so it holds the door flush with the pocket end and fix into place with the with the self drilling Type-11 screw provided.

IMPORTANT

Once you have done this make sure you clear away any swarf that has dropped down from fixing the screw onto the track. If left there the swarf will stick to the trolley wheels and caused the wheels to ‘rumble’ as it opens and closes.
Utilise every square inch of your room™

Get In Touch

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