

Fire rating:
NFR

Frame type:
Concealed

selo[®]

Experience simplicity.

Enigma

Pocket sliding door systems



1

2

NCFI

Frame installation instructions

Thank you for choosing Enigma

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

Tools required



Pencil



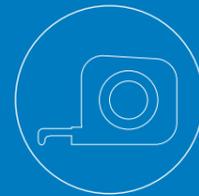
Spirit level



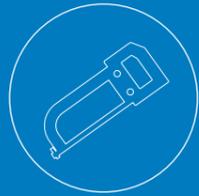
Laser Level



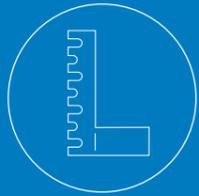
Cordless screwdriver



Tape measure



Tin snips or hacksaw



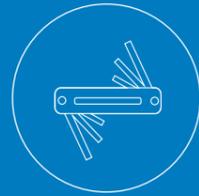
Set square



Knife



Power chop saw



Allen keys (metric)

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.



Scan to watch the installation video.
www.selo-uk.com/video

Enigma NFR Concealed frame kit

Frame fixings



1 Type-1 19mm pan head self drilling screw



2 Type-2 40mm screw



3 Type-3 50mm screw



4 Type-4 30mm screw



5 Type-5 25mm self drilling screw



6 Sliding gear set



7 Remote stop



8 Door guide pin and channel

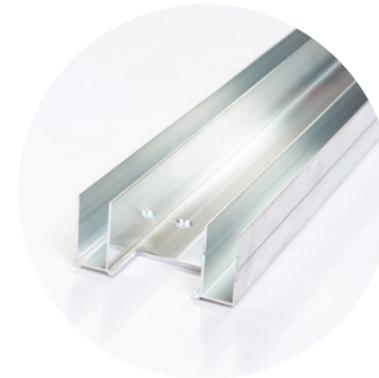


9 Brush strip

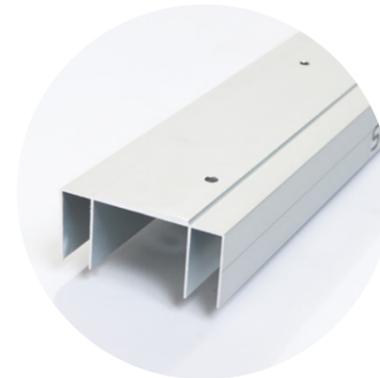
Please note

All fixings will come pre-packaged to suit your specific project requirements.

Pocket door frame components



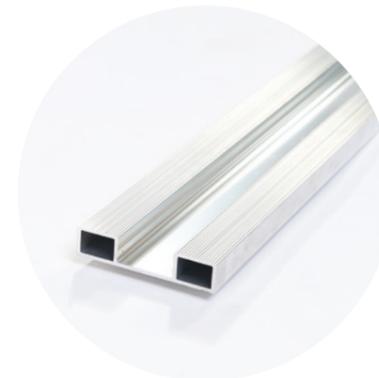
1 Base channel



2 Head channel



3 Leading edge jamb



4 Intermediate jambs



5 Intermediate jamb insert



6 Sliding track



7 Remote stop



8 Door guide pin and channel



9 Brush strip

A) 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

Studwork size

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

Steel studs

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

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.

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. Ensure you refer to the self-supporting head installation details when construction your studwork partition and before you install the Enigma pocket door kit.

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.



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. Ensure you have allowed the extra width required in the structural opening to allow the self closer to work.



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 touch latch the metal counter plate will need to be packed out by 50mm.
- › If you are using the self supporting head detail please refer to its specific instructions for correct dimensions.

Structural opening calculations



From known door dimensions:

Calculate studwork width & height

Single Doors

Studwork width = (2 x door width) + 65mm
 Studwork height = Door height + 59mm (Glass leaf or Simultaneous opening + 77mm)

Double Doors

Studwork width = (4 x door width) + 120mm
 Studwork height = Door height + 59mm (Glass leaf or Simultaneous opening + 77mm)



From known door dimensions:

Calculate clear opening dimensions

Single Doors

Opening width = Door width - 25mm
 Opening height = Door height + 15mm (Glass leaf + 33mm or Simultaneous opening - 17mm)

Double Doors

Opening width = 2 x door width - 30mm
 Opening height = Door height + 15mm (Glass leaf + 33mm or Simultaneous opening - 17mm)



From known structural opening dimensions:

Calculate door width & height

Single Doors

Door width = (Structural opening width - 65mm) ÷ 2
 Door height = Structural opening height - 59mm (Glass leaf or Simultaneous opening - 77mm)

Double Doors

Door width = (Structural opening width - 120mm) ÷ 4
 Door height = Structural opening height - 59mm (Glass leaf or Simultaneous opening - 77mm)



From clear opening dimensions:

Calculate door width & height

Single Doors

Door width = Clear opening + 25mm
 Door height = Clear opening - 15mm (Glass leaf - 33mm or Simultaneous opening + 17mm)

Double Doors

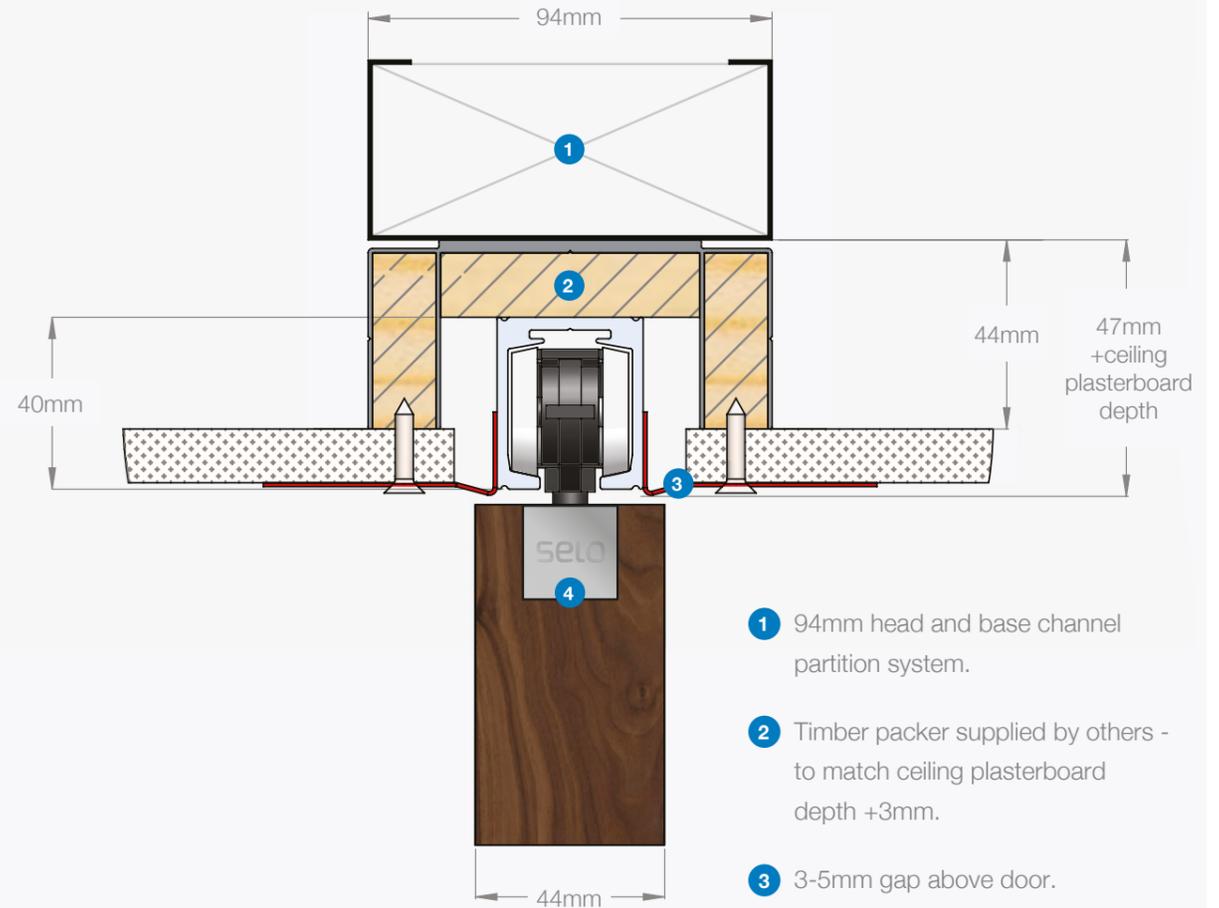
Door width = (Clear opening + 30mm) ÷ 2
 Door height = Clear opening - 15mm (Glass leaf - 33mm or Simultaneous opening + 17mm)

Full-height head installation (NFR concealed)

When you require the door leaf to go full height to the ceiling the head channel of the pocket door kit needs to be installed above the ceiling and plasterboard fitted as the detail shown.

IMPORTANT

Structural opening height calculation:
Clear opening height + Plasterboard thickness + 47mm.



- 1 94mm head and base channel partition system.
- 2 Timber packer supplied by others - to match ceiling plasterboard depth + 3mm.
- 3 3-5mm gap above door.
- 4 Selo concealed bracket assembly.

B) Frame installation

IMPORTANT

If you are using the self supporting head detail please refer to the specific Enigma self supporting head instructions.



1

Prepare Head Channel & Sliding Track

Single doors

Cut the head channel to suit the structural opening width. 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.

IMPORTANT

If you are using a touch latch refer to page 8 to set this correctly.



2

Head channel preparation

Single doors

Mark 63mm from the end of the head channel.

Double doors

Mark 30mm from one end of both head channels.

Line the end of the top track to the mark and pilot drill the holes through the channel.

IMPORTANT

Ensure the groove in the centre of the track and the head channel line up as shown.

GLASS LEAF

If using a glass leaf mark 77mm from the end of the head channel.

3

Insert the remote stop into the top track

Slide the remote stop into the groove in the track so the large holes in the remote stop line up with the track fixing holes. This enables you to fix through the remote stop when installing the track.

IMPORTANT

1. If you are using the soft close mechanism, please refer to the soft closer instructions before proceeding.

2. If using the following devices then do not insert the remote stop.

- › Soft Close & Open
- › Touch Latch



4

Fit the head channel and top track

Single doors

Put the head channel in place and fix using Type-2 screws. The end with 63mm marked butts against the strike stud.

Double doors

Butt the ends of the head channels marked 30mm from the end together in the centre of the structural opening width.

Line the top track up with the pilot drilled holes and fix using Type-3 screws. The remote stop clip should be at the rear of the pocket.

IMPORTANT

If using soft close or simultaneous opening mechanisms please refer to their individual instructions.





5

Cut and fit the base channel

Single doors

Measure the dimension **door leaf width less 10mm** back from the strike stud and mark this on the floor. Measure from this mark to the rear stud and cut the base channel to that length keeping the notched end.

Double doors

Transfer the centre of the structural opening width onto the floor. Measure back both sides **door leaf width less 15mm** and mark on the floor. Measure from this mark to the rear stud and cut the two base channels to that length keeping 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.

IMPORTANT

Remember if you are using a touch latch or a self closer you need to make sure you have added the extra width needed to suit. This is stated on page 8.



6

Cut pocket sides to length

Cut the leading edge and intermediate jambs to the correct height so it slides into the head and base channel. The notched end goes at the top.



7

Cut and 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 jambs to be fitted equally space within the pocket width.



8

Fit pocket sides

Slide the intermediate jamb into the head and base channel with the timber inserts facing out so it sits centrally in the pocket. Fix using Type-1 self drilling screws.



8a

Fix the jamb

Slide the leading edge jamb into place at the bottom 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 the Type-1 screws.



9

Fit door guide pin

Using x2 Type-4 screws fix the floor pin into place in the end notch.

IMPORTANT

1. The pin needs to be fitted at FFL.
2. If installing a glass leaf the door guide is in the clamp box.
3. 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.



10

Fit the foam packer

IMPORTANT

The foam packer must be inserted to support the pocket. This is used to stop the side walls bowing when fixing plasterboard to the pocket.

IMPORTANT

If you are using simultaneous opening you need to install the door leafs and simultaneous opening mechanism and timber head trims now before fitting the plasterboard. Refer to the simultaneous opening instructions.



11

Fit the plasterboard

Use Type-5 self drilling screws when fixing the plasterboard to the profile. (Refer to the 'Trim Installation Instructions'). The door leaf can be hung before or after the trims have been installed.

IMPORTANT

If using a touch latch, ensure it is fitted before the plasterboard. If you are using simultaneous opening, ensure you have installed the timber head trims before fitting plasterboard. (Refer to instructions). If using a self closer, please refer to separate installation instructions. Only fit plasterboard to one side of the pocket until the door leaf and self closer are fitted and working correctly.

Find out more

For help and advice with your installation contact our experienced team.

call 020 3880 0339 / **email** sales@selo-uk.com

Visit our website, loaded with the content and features you want to see.

www.selo-uk.com



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