Contact Ph 09-6330046 email sales@bestdoors.co.nz

7/3/2024

# Best doors PR 60 Door Set -/60/60sm Installation

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: TIMBER

Fram e materials available:

Hardwood timber - Min density  $580 \text{ kg/m} \ge \text{(minimum)}$ 

thickness is  $30 \, \text{mm}$ )

Fasteners:

Frame - Screwed (10 g self tapping) at  $600\,\mathrm{m}\,\mathrm{m}$  centres

nominal. Two screws per location.

Stops - nailed  $(50 \times 3.2 \, \text{m m})$  at  $200 \, \text{m m}$  centres.

Architrave - nailed (50 x 3.2 mm) at 400 mm centres.

Head Fixing (minimum):

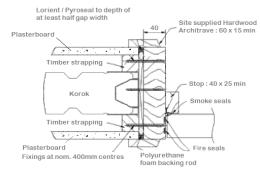
Single door - none required

Wall type:

Korok panels with 13 mm FRR plasterboard on furring channels to both sides. Trim opening to be framed with nom . 45 mm timber.

Wedging gap:

0-10 m m



DETAIL K-T-3

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min density 580kg/m≥ (minimum

thickness is 30 mm)

Fasteners:

Frame - Screwed (10 g self tapping) at  $600\,\mathrm{m}$  m centres nominal. Two screws per location.

Stops - nailed (50 x  $3.2\,\mathrm{m}\,\mathrm{m}$ ) at  $200\,\mathrm{m}\,\mathrm{m}$  centres.

Architrave - nailed (50 x 3.2 mm) at 400 mm centres.

Head Fixing (minimum):

Single door - none required

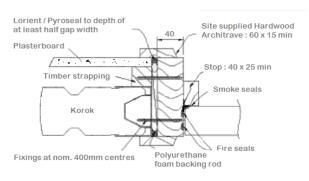
Wall type:

Korok panels with 13 mm FRR plasterboard on furring channels to one side. Trim opening to be framed with nom.

45 mm timber.

Wedging gap:

0-10 m m



DETAL KT1

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min density 580kg/m≥ (minimum

thickness is 30 mm)

Fasteners:

Frame - Screwed (10g self tapping) at 600mm centres

nominal. Two screws per location.

Stops - nailed  $(50 \times 3.2 \, \text{m m})$  at  $200 \, \text{m m}$  centres.

Architrave - nailed (50 x 3.2 mm) at 400 mm centres.

Head Fixing (minimum):

Single door - none required

Wall type:

Korok panels with 13 mm FRR plasterboard on furring channels to one side. Trim opening to be framed with nom. 45 mm timber.

Wedging gap:

0-10 m m

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing at 600 mm centres minimum

10 Gauge self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Wedging Gap:

0-15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wa II: Ma x . FR R -60/30

64 mm wall: Max. FRR -/90/30

mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30 minutes by lining the wall

one or both sides, up to a max. of 120 minutes.

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL. 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing at 60 mm centres minimum

10 Gauge self tapping screws

Head Fixing (minimum):

Single door - 2 required

Paired door - 4 required

Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wall: Max. FRR -/60/30

mm wall: Max. FRR -/90/30

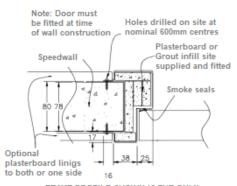
mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120 minutes.

Lorient / Pyroseal to depth of Site supplied Hardwood at least half gap width 40 Architrave: 60 x 15 min Stop: 40 x 25 min Korok Smoke seals Timber strapping Plasterboard Fire seals Polyurethane Fixings at nom. 400mm centres foam backing rod

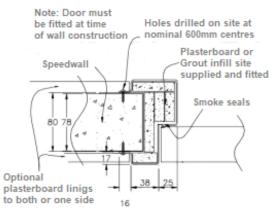
DETAIL KT2

### PR30 to PR120 Steel Frame in Speedwall



FRAME PROFILE SHOWN IS THE ONLY AVAILABLE FOR THIS WALL TYPE SIZE RESTRICTION APPLY

### PR30 to PR120 Steel frame in Speedwall



FRAME PROFILE SHOWN IS THE ONLY PROFILE AVAILABLE FOR THIS WALL TYPE SIZE RESTRICTION APPLY

Fram e has to be filled with plasterboard, ceram ic fibre blanket or grout to achieve 30 minute insulation rating.

Please note that when using this installation method the frame has to be built into the wall. It can't be installed in a pre-formed opening.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 x 75 m m Gauge self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wall: Max. FRR -/60/30 64 mm wall: Max. FRR -/90/30 78 mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30  $\,$  minutes by lining the

wall one or both sides, up to a max. of 120 minutes.

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

FRAME TYPE: STEEL, 1-PART

WALL TYPE: KOROK / SPEEDWALL

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 g x 75 m m self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wall: Max. FRR -/60/30 64 mm wall: Max. FRR -/90/30

78 mm wall: Max. FRR -/120/30

Integrity rating can be increased by  $30\,$  minutes by

lining the wall one or both sides, up to a max. of 120

 $\quad \text{min utes} \ .$ 

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

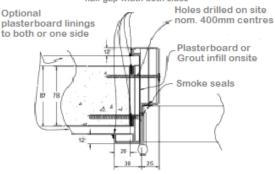
10 g x 75 m m self tapping screws

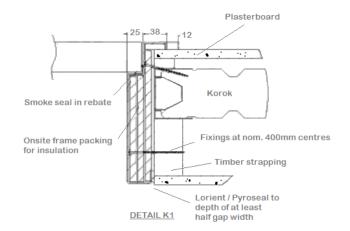
Head Fixing (minimum):

Single door - none required

# PR60 to PR120 Steel frame in Speedwall

Lorient / Pyroseal to a depth of at least half gap width both sides





Paired door - 1 set Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wall: Max. FRR -/60/30 64 mm wall: Max. FRR -/90/30 78 mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120 minutes.

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 g x 75 m m self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wall: Max. FRR -/60/30 64 mm wall: Max. FRR -/90/30 78 mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30 minutes by lining the

wall one or both sides, up to a max. of 120 minutes.

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z  $-1.6 \, \text{m} \, \text{m}$ 

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 g x 75 m m self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

Wedging gap:

0 - 15 m m

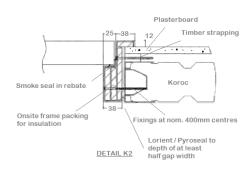
Fire rating for unlined Speedpanel / Korok walls:

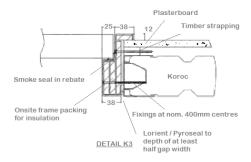
51 mm wa II: Max. FRR -/6 0 / 3 0 64 mm wa II: Max. FRR -/9 0 / 3 0

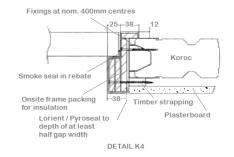
78 mm wa II: Ma x . FR R -/120/30

Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120 minutes.

Fram e has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

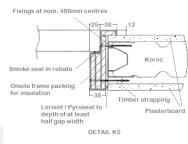






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Fram e materials available:
EG Z - 1.6 m m
Cold rolled galvanized - 1.6 m m
Fasteners:
Jam b fixing 6 sets (i.e. 12 per jam b)
10 g x 75 m m self tapping screws
Head Fixing (minimum):
Single door - none required
Paired door - 1 set
Wedging gap:
0 - 15 m m
Fire rating for unlined Speedpanel / Korok walls:
51 mm wall: Max. FRR -/60/30
64 mm wall: Max. FRR -/90/30
78 mm wa II: Max. FRR -/120/30
Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120
Fram e has to be filled with plasterboard, ceram ic fibre blanket or grout to achieve 30 minute insulation
ratin g.
WALL TYPE: KOROK / SPEEDWALL
FRAME TYPE: STEEL, 1-PART
Fram e materials available:
EG Z - 1.6 m m
Cold rolled galvanized - 1.6 m m
Fasteners:
Jam b fixing 6 sets (i.e. 12 per jam b)
10 g x 75 m m self tapping screws
Head Fixing (minimum):
Single door - none required
Paired door - 1 set
Wedging gap:
0 - 15 m m
Fire rating for unlined Speedpanel / Korok walls:
51 mm wall: Max. FRR -/60/30
64 mm wall: Max. FRR -/90/30
78 mm wall: Max. FRR -/120/30
Integrity rating can be increased by 30 minutes by lining the wall
one or both sides, up to a max. of 120 minutes.
Frame has to be filled with plasterboard, ceramic fibre blanket or
grout to achieve 30 minute insulation rating.
WALL TYPE: KOROK / SPEEDWALL
FRAME TYPE: STEEL, 1-PART
Fram e materials available:
EG Z - 1.6 m m
Cold rolled galvanized - 1.6 m m
Fasteners:
Jam b fixing 6 sets (i.e. 12 per jam b)
10 g x 75 m m self tapping screws
Head Fixing (minimum):
Single door - none required
Paired door - 1 set
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WALL TYPE: KOROK / SPEEDWALL FRAME TYPE: STEEL, 1-PART



Fixings at nom. 400mm centres

Lorient / Pyroseal to

depth of at least half gap width

Smoke seal in rebate

Onsite frame packing

Plasterboard

----/

Timber strapping

112

DETAIL K6

Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wall: Max. FRR -/60/30 64 mm wall: Max. FRR -/90/30 78 mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120 minutes.

Fram e has to be filled with plasterboard, ceram ic fibre blanket or grout to achieve 30 minute insulation rating.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 g x 75 m m self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

51 mm wa II: Max. FRR -/6 0 / 3 0 64 mm wa II: Max. FRR -/9 0 / 3 0 78 mm wa II: Max. FRR -/1 2 0 / 3 0

Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120 minutes.

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.

WALL TYPE: KOROK / SPEEDWALL

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 g x 75 m m self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

Wedging gap:

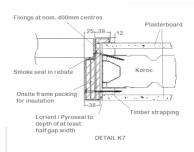
0 - 15 m m

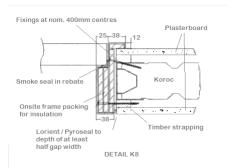
Fire rating for unlined Speedpanel / Korok walls:

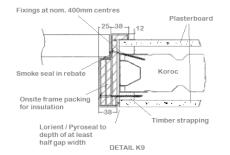
51 mm wall: Max. FRR -/60/30 64 mm wall: Max. FRR -/90/30 78 mm wall: Max. FRR -/120/30

Integrity rating can be increased by 30 minutes by lining the wall one or both sides, up to a max. of 120 minutes.

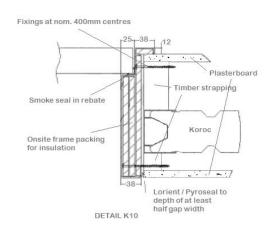
Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.







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WALL TYPE: KOROK / SPEEDWALL
FRAME TYPE: STEEL, 1-PART
Fram e materials available:
EG Z - 1.6 m m
Cold rolled galvanized - 1.6 m m
Fasteners:
Jam b fixing 6 sets (i.e. 12 per jam b)
10 g x 75 m m self tapping screws
Head Fixing (minimum):
Single door - none required
Paired door - 1 set
Wedging gap:
0 - 15 m m
Fire rating for unlined Speedpanel / Korok walls:
51 mm wall: Max. FRR -/60/30
64 mm wall: Max. FRR -/90/30
78 mm wall: Max. FRR -/120/30
Integrity rating can be increased by 30 minutes by lining the
wall one or both sides, up to a max. of 120 minutes.
Fram e has to be filled with plasterboard, ceram ic fibre blanket
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WALL TYPE: KOROK / SPEEDWALL

or grout to achieve 30 minute insulation rating.

FRAME TYPE: STEEL, 1-PART

Note: This installation method is only applicable to 78 mm Korok walls

Frame materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Jam b fixing 6 sets (i.e. 12 per jam b)

10 x 75 m m Gauge self tapping screws

Head Fixing (minimum):

Single door - none required

Paired door - 1 set

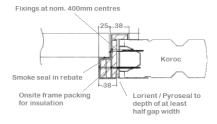
Wedging gap:

0 - 15 m m

Fire rating for unlined Speedpanel / Korok walls:

78 mm wall: Max. FRR -/120/30

Frame has to be filled with plasterboard, ceramic fibre blanket or grout to achieve 30 minute insulation rating.



DETAIL K11

WALL TYPE: TIMBER STUD

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min. density  $580 \text{ kg/m} \ge \text{(minimum)}$ 

thickness is  $30\,m$  m)

Fasteners:

Frame - Either nailed (75 x  $3.2\,\mathrm{m\,m}$ ) or screwed (10 g x 75 m m) at  $600\,\mathrm{m\,m}$  centres nominal. Two fixings per location.

Stops - nailed (50 x 3.2 m m) at 200 m m centres.

Architrave - nailed (50 x 3.2 mm) at 400 mm centres.

Pryda Jamb-fixa brackets Type JFB100 at 500 mm centres

may be used to fix profiles A & B to approved walls.

Head Fixing (minimum):

Single door - none required

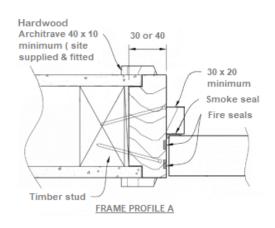
Paired door - single central fastener required

Stud size:

Ex 100 x 50 min im u m .

 $Wedging\ gap:$ 

0-10 m m



WALL TYPE: TIMBER STUD

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min. density 580 kg/m ≥ (minimum thickness is 40 mm)

Fasteners

Frame - Either nailed (75 x 3.2 mm) or screwed (10 g x 75 mm) at 600 mm centres nominal. Two fixings per location.

Stops - nailed (50 x 3.2 mm) at 200 mm centres.

Architrave - nailed (50 x 3.2 mm) at 400 mm centres.

Pryda Jamb-fixa brackets Type JFB100 at 500mm centres

may be used to fix profiles A & B to approved walls.

Head Fixing (minimum):

Single door - none required

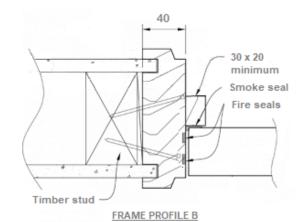
Paired door - single central fastener required

Stud size:

Ex 100 x 50 min im um.

Wedging gap:

0-10 m m



# WALL TYPE: TIMBER STUD

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood Timber - Min. density  $580 \, kg/m \ge (m \, inim \, u \, m)$ 

thickness is  $30\,m$  m)

Fasteners:

Frame - Either nailed (75 x 3.2 mm) or screwed (10 g x

 $75\,m$  m ) at  $60\,0\,m$  m  $\,$  centres  $\,$  nom in a I. Two  $\,$  fixings  $\,$  per location .

iocation.

Stops - nailed (50 x 3.2 m m ) at 200 m m centres.

Architrave - nailed (50 x  $3.2\,\mathrm{m}\,\mathrm{m}$ ) at  $400\,\mathrm{m}\,\mathrm{m}$  centres.

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

Ex100x50 minimum.

Wedging gap:

0-15 m m

# Lorient / Pyroseal to depth of at least half gap width Architrave 40 x 10 minimum ( site supplied & fitted 30 x 20 minimum Smoke seal Timber stud Polyurethane foam backing rod

FRAME PROFILE F

# WALL TYPE: TIMBER STUD

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min. density 580 kg/m≥

(minimum thickness is 30 mm)

Fasteners:

Fram e - Either nailed (75  $\times$  3.2 mm) or screwed (10 g  $\times$  75 mm) at 600 mm centres nominal. Two fixings per location.

Stops - nailed (50 x 3.2 m m) at 200 m m centres.

Architrave - nailed (50 x  $3.2 \,\mathrm{m}$  m) at  $40.0 \,\mathrm{m}$  m .

Pryda Jam b-fixa brackets Type JFB 100 at 500 m m centres may be used to fix profiles A & B to approved walls.

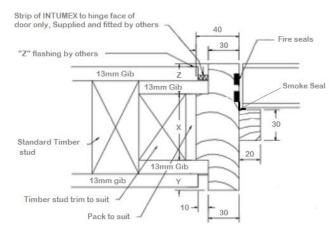
Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

Ex  $100 \times 50$  min im u m .



TIMBER JAMB / Negative Detail

Wedging gap:

0-10 m m

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:

Folded steel connection plates (as shown) to be supplied with frames.

Hook onto frame bracing straps and nail or screw to timber studs.

Fram e connection plates either clouts (30 x 2.5 mm gib clouts) or screw fixed.

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

Ex 100 x 50 min im u m

Wedging gap:

Not applicable

Insulation rating:

To obtain an insulation rating, the steel frame  $\mbox{\tt must}$ 

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -

/x x / - )

WALL TYPE: TIMBER STUD
FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:

Framing stud No.1 screwed to jamb.

Connection to stud No.2 via rebated nail on plates.

One fastener per location except at bottom where two fasteners are required.

Frame to be screw fixed (10 g self tapping) at  $600\,\mathrm{m}$  m nominal centres. Two fasteners per location where applicable.

Head Fixing (minimum):

Single door - none required

Paired door - double central fastener required

Stud size:

Ex 100x50 min im u m

Wedging gap:

Not applicable

Insulation rating:

To obtain an insulation rating, the steel fram e must be

packed with either;

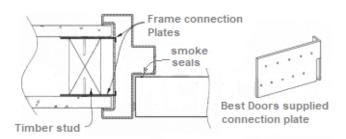
Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

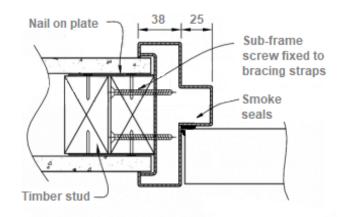
Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)



### FRAME PROFILE D3

Same method for G & J: wall thickness will determine profiles available



# FRAME PROFILE D3

Same method for G & J: wall thickness will determine profiles available

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:

Fram e screwed to stud through Gib Fyreline

packing between stud and shims.

Frame to be screw fixed (10 g self tapping) at 600 mm nominal centres. Two fasteners per location

where applicable.

Head Fixing (minimum):

Single door - none required

Paired door - double central fastener required

Stud size:

Ex 100 x 50 min im u m

Wedging gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, the steel frame  $\mathsf{must}$ 

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

Lorient / Pyroseal to depth of at least half gap width

38 25

Gib® 16mm Fireline

Smoke seals

FRAME PROFILE D3
Same method for G & J : wall thickness will determine profiles available

WALL TYPE: TIMBER STUD

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:

Frames may be screwed directly to studs either

through the stud and into the frame bracing straps or

through the frame into the timber stud at 600 mm

centres nominal.

Fram e to be screw fixed (10 g self tapping) at

 $60\,0\,\,m$  m  $\,$  centres nominal. Two fasteners per location

where applicable.

Head Fixing (minimum):

Single door - none required

Paired door - double central fastener required

Stud size:

Ex 100 x 50 min im u m

Wedging gap:

Not applicable

Insulation rating:

To obtain an insulation rating, the steel frame  $\mbox{\it must}$ 

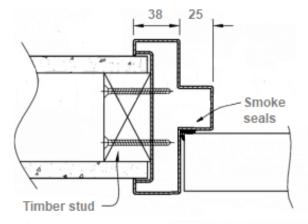
be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)



FRAME PROFILE D3

Same method for G & J: wall thickness will determine profiles available Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

WALL TYPE: TIMBER STUD

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

Cold rolled galvanized - 1.6 mm packed with pla board

Fasteners:

Frame to be screw fixed with 10-14 x 75mm gauge counter sunk screws at 600mm centres nominal.

Head Fixing (minimum):

Single door - non required

Paired door - double central fastener required

Stud Size

Ex 100 x 50 min im u m

Wedging gap:

0 - 10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

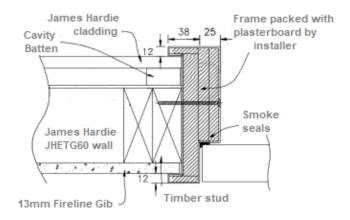
Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -

/x x / - )



WALL TYPE: TIMBER STUD

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

Cold rolled galvanized - 1.6 mm packed with pla board

Fasteners:

Frame to be screw fixed with 10 x 75mm gauge screws at 600mm centres nominal.

Head Fixing (minimum):

Single door - non required

Paired door - double central fastener required

Stud Size

Ex 100 x 50 min im u m

Wedging gap:

0 - 10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

Frame packed with James Hardie 25 plasterboard by cladding installer Cavity Batten Smoke James Hardie seals JHETG60 wall Timber stud 13mm Fireline Gib -

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 1-PART

Gib Universal wall systems - One way FRR only

Please refer to Gib Fire Rated Systems manual for thickness and number of lining boards.

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Framing stud No.1 screwed to jamb.

Connection to stud No.2 via rebated nail on plates.

One fastener per location except at bottom where two fasteners are required.

Frame to be screw fixed (10g self tapping) at

600 mm nominal centres. Two fasteners per location

where applicable.

Head Fixing (minimum):

Single door - none required

Pair door - single central fastener required

Stud size:

Ex 100 x 50 min im u m

Wedging gap:

Not applicable

Insulation rating:

To obtain an insulation rating, the steel frame must

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

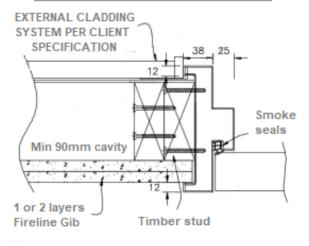
Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/x x/-)

# PR60 - PR90 Steel Frame Installation to GIB-GBUW EXTERNAL ONE WAY FIRE WALL



FRAME PROFILE D3

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 1-PART

Gib Universal wall systems - One way FRR only

Please refer to Gib Fire Rated Systems manual for thickness and number of lining boards.

Fram e materials available:

Cold rolled galvanized - 1.6 m m

Fasteners:

Fram e screwed to stud

Frame to be screw fixed (10 g self tapping) at 600 mm nominal centres. Two fasteners per location where applicable

Head Fixing (minimum):

Single door - none required

Pair door - double central fastener required

Stud size:

Ex 100 x 50 min im u m

Wedging gap:

0-10 mm

Insulation rating:

To obtain an insulation rating, the steel frame must be

packed with either;

Plasterboard (30  $\min$  utes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

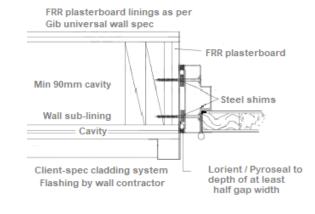
No frame packing equals no insulation rating (i.e. -/xx/-)

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized -  $1.6\,\mathrm{m}$  m



Fasteners:

Frame screwed to stud through Gib Fyreline packing between stud and shims.

Frame to be screw fixed (10 g self tapping) at 600 mm nominal centres. Two fasteners per location where applicable.

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

Ex  $100 \times 50$  min im u m

Wedging gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, the steel frame  $\mbox{\it must}$ 

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

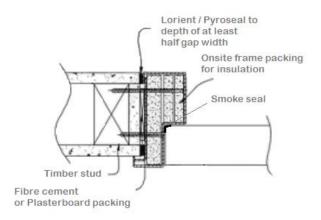
Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -

/x x / - )



FRAME PROFILE R

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Frame screwed to stud through frame wings

Frame to be screw fixed (10 g self tapping) at 600 mm nominal centres

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

Ex. 100x50 mm minimum

Wedging gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must be packed with either:

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

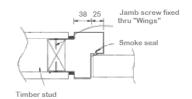
WALL TYPE: TIMBER STUD
FRAME TYPE: STEEL, 1-PART
Gib GW TLE 60 a wall specification

Fram e materials available:

Cold rolled galvanized - 1.6 mm packed with plaster board

Fasteners:

Frame to be screw fixed with 10-14 x 75mm gauge counter sunk screws at 600mm centres nominal. Head Fixing (minimum):



PR30 to PR60 Steel jamb Negative Detail

Single door - non required
Paired door - double central fastener required
Stud Size
Ex 100 x 50 minimum
Wedging gap:
0 - 10 m m
Insulation rating:
To obtain an insulation rating, the steel frame must be packed with either;
Plasterboard (30 minutes)
Ceramic fibre blanket (30 minutes)
Grout (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

Cavity
Batten

Cladding

12

Onsite plasterboard jamb packing

Smoke seal

13mm

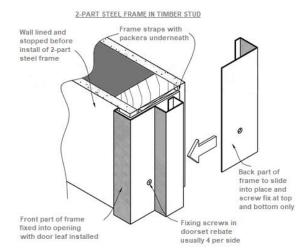
Weatherline Gib

Timber stud

Steel jamb Open IN Exterior Detail

WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 2-PART

Pyropanel M4 mortar (60 minutes)



WALL TYPE: TIMBER STUD FRAME TYPE: STEEL, 2-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Frame to be screw fixed (10g self tapping) at 600mm nominal centres through frame straps and timber packers into timber stud. Standard is 4 no. per jamb (front section) and 2 no. per jamb (rear section)

Head Fixing (minimum):

Single door - none required

Paired door - 2 no. fasteners required (front section only)

Stud size:

Ex  $100 \times 50$  min im u m

Wedging gap:

0-10 m m

Insulation rating:

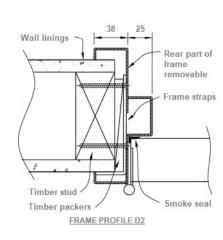
To obtain an insulation rating, all voids in the steel frame and wedging gaps must be packed with either;

Plasterboard (30 minutes)

Ceram ic fibre blanket, 64 kg/m 3 min. (30 minutes)

Mineral wool blanket, 64 kg/m 3 min. (30 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)



WALL TYPE: MASONRY FRAME TYPE: TIMBER

Fram e materials available:

Hardwood timber - Min density  $580 \, kg / m \ge (minimum thickness is 30 m m)$ 

Fasteners:

Frame - M8 or M10 'Ramset' Dynabolts at 600 mm centres nominal. Fixings on or near centre of frame iam b.

Stops - nailed (50 x 3.2 mm) at 200 mm centres.

Architrave - nailed (50 x  $3.2\,\mathrm{m\,m}$ ) at  $400\,\mathrm{m\,m}$  centres.

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Wedging gap:

0-15 m m

WALL TYPE: MASONRY

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m  $\,$  (Must be fully grouted

fram e PR 9 0 - 1 2 0 )

Fasteners:

Jam b fixing at 600 mm centres minimum

Expansion anchors eg. M10 countersunk 'Ramset'

 $Dy\,n\,\,a\,\,b\,\,o\,\,It\,s$ 

M12 countersunk masonry screwbolts

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Wedging Gap:

0-15 m m

Insulation rating:

To obtain an insulation rating, the steel frame  $\mbox{\it must}$ 

be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30  $\min utes$ )

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

WALL TYPE: MASONRY

FRAME TYPE: STEEL, 2-PART

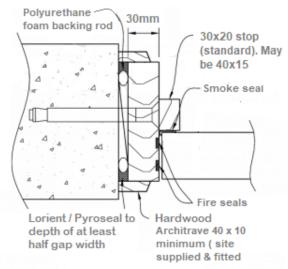
Fram e materials available:

EG Z - 1.6 m m

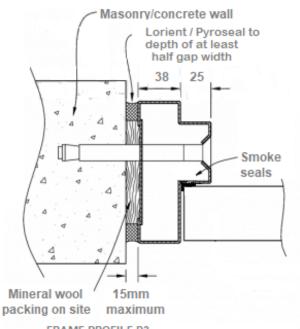
Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:



FRAME PROFILE F



# FRAME PROFILE D3

Same method for G & J: wall thickness will determine profiles available Frame to be fixed with masonry anchors or screw bolts. Standard is 4 No. per Jamb. Rear insert fixed to frame with machine screws (drilled and tapped on site).

Head Fixing (minimum):

Single door - none required

Paired door - 2 No. fasteners required (Front section only)

Wedging gap:

Not applicable

Insulation rating:

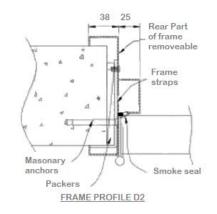
To obtain an insulation rating, the steel frame must be packed with either;

Plasterboard (30 minutes)

Ceram ic fibre blanket, 64 kg/m 3 min. (30 minutes)

Mineral wool blanket, 64 kg/m 3 min. (30 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)



WALL TYPE: STEEL STUD

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min density  $580 \, kg \, /m \ge (minimum thickness is 30 mm)$ 

Fasteners:

Frame - Screwed (10 g x 50 m m self tapping) at 600 m m centres no minal. Minimum of one screw per location. Frames may also be installed by screw fixing the steel studs to the back of the timber frame during wall construction.

Stops - nailed (50 x 3.2 m m ) at 200 m m  $\,$  centres.

Architrave - nailed (50 x  $3.2\,\mathrm{m}\,\mathrm{m}$ ) at  $400\,\mathrm{m}\,\mathrm{m}$  centres.

Head Fixing (minimum):

Single door - none required

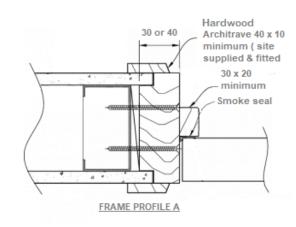
Paired door - single central fixing required

Stud size:

65 x 34 m m  $\,$  min im u m  $\,$  of 0.55  $\,$  MSG  $\,$  gauge.

Wedging gap:

0-10 m m



# WALL TYPE: STEEL STUD

FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min. density  $580 \text{ kg/m} \ge \text{(minimum)}$ 

thickness is 40 mm)

Fasteners:

Frame - Screwed (10 g x 50 m m self tapping) at  $600 \, \text{mm}$  centres nominal. Minimum of one screw per location. Frames may also be installed by screw fixing the steel studs to the back of the timber frame during wall construction.

Stops - nailed (50 x  $3.2\,m$  m) at  $200\,m$  m centres.

Architrave - nailed (50 x 3.2 mm) at 400 mm centres.

Head Fixing (minimum):

Single door - none required

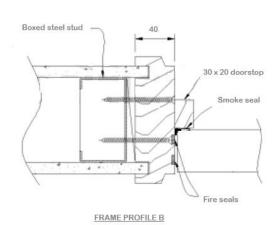
Paired door - single central fixing required

Stud size:

 $65 \times 34 \, \text{mm}$  minimum of  $0.55 \, \text{MSG}$  gauge.

Wedging gap:

0-10 m m



WALL TYPE: STEEL STUD FRAME TYPE: TIM BER

Fram e materials available:

Hardwood timber - Min. density  $580 \text{ kg/m} \ge (\text{minimum})$ 

thickness is 30 mm)

Fasteners:

Frame - Screwed (10 g x 50 m m self tapping) at  $600 \, \text{m}$  m centres nominal. Minimum of one screw per location. Frames also be installed by screw fixing the steel studs to the back of timber frame during wall construction.

Stops - nailed  $(50 \times 3.2 \, \text{m m})$  at  $200 \, \text{m m}$  centres.

Architrave - nailed (50 x  $3.2 \, \text{mm}$ ) at  $400 \, \text{mm}$  centres.

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

 $65 \times 34 \, \text{mm}$  minimum of  $0.55 \, \text{MSG}$  gauge.

Wedging gap:

0-10 m m

WALL TYPE: STEEL STUD

 $\mathsf{FRAME} \ \mathsf{TYPE}: \ \mathsf{STEEL}, \ \mathsf{1-PART}$ 

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:

Frame screwed to boxed stud at 600 mm centres

 $\hbox{nom in al with self tapping screws}\,.$ 

Steel studs may be riveted (steel pop rivets) or screwed (10g self tapping) to the frame bracing

straps at 600 mm centres nominal.

Head Fixing (minimum):

Single door - none required

Paired door - double central fastener required

Stud size:

65 x 34 m m minim um of 0.55 SMG gauge

Wedging gap:

Not applicable

Insulation rating:

To obtain an insulation rating, the steel frame must be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

WALL TYPE: STEEL STUD FRAME TYPE: STEEL, 1-PART

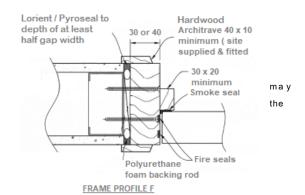
Fram e materials available:

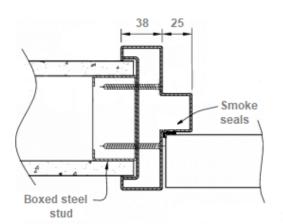
EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Stainless Steel - 1.5 m m

Fasteners:





FRAME PROFILE D

Frame screwed to boxed studs with packing steel shims at 600 mm centres nominal.

Steel studs may be riveted (steel pop rivets) or screwed (10 g self tapping) to the frame bracing straps at  $600\,\mathrm{mm}$  centres nominal.

Head Fixing (minimum):

Single door - none required

Paired door - double central fastener required

Stud size:

 $92 \times 34 \,\mathrm{mm}$  minimum of  $0.55 \,\mathrm{SM}\,\mathrm{G}$  gauge

Wedging Gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must be

 $\hbox{packed} \quad \hbox{with} \quad \hbox{either};$ 

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

WALL TYPE: STEEL STUD

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Frame screwed to stud through Gib Fyreline packing

between stud and shims.

Frame to be screw fixed (10 g x 50 m m self tapping) at  $600\,\mathrm{m}\,\mathrm{m}$  nominal centres. Two fasteners per location

where applicable.

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required

Stud size:

92 x 34 m m  $\,$  min im u m  $\,$  of 0.55 SM G  $\,$  gauge

Wedging gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60  $\min utes$ )

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/x x /-)

WALL TYPE: STEEL STUD

FRAME TYPE: STEEL, 1-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

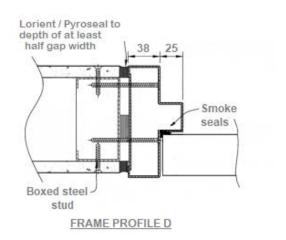
Frame screwed to stud through frame wings

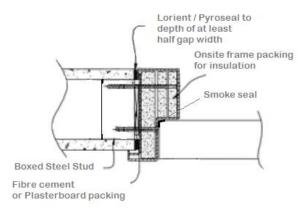
Frame to be screw fixed (10g self tapping) at 600mm nominal centres

Head Fixing (minimum):

Single door - none required

Paired door - single central fastener required





FRAME PROFILE R

Stud size:

 $65 \times 34 \, \text{mm}$  minimum of  $0.55 \, \text{MSG}$  gauge.

Wedging gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must be packed with either;

Plasterboard (30 minutes)

Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

WALL TYPE: STEEL STUD
FRAME TYPE: STEEL, 1-PART
Gib GW S E 6 0 wall specification

Fram e materials available:

Cold rolled galvanized - 1.6 mm packed with plaster board

Fasteners:

Frame to be screw fixed with 10-14 x 75mm gauge counter sunk screws at 600mm centres nominal.

Head Fixing (minimum):

Single door - non required

Paired door - double central fastener required

Stud Size

Min im u m steel stud dimensions to be 92 x 34 x 0.50 m m nominal

with a 6mm return

Wedging gap:

0 - 10 m m

Insulation rating:

To obtain an insulation rating, the steel frame must be

packed with either;

Plasterboard (30 minutes)

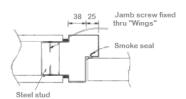
Ceramic fibre blanket (30 minutes)

Cornice plaster (30 minutes)

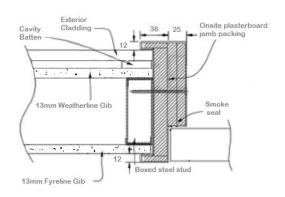
Grout (60 minutes)

Pyropanel M4 mortar (60 minutes)

No frame packing equals no insulation rating (i.e. -/x x /-)



PR30 to PR60 Steel jamb Negative Detail



Steel jamb Open IN Exterior Detail

WALL TYPE: STEEL STUD FRAME TYPE: STEEL, 2-PART

Fram e materials available:

EG Z - 1.6 m m

Cold rolled galvanized - 1.6 m m

Fasteners:

Frame to be screw fixed (10 g self tapping) at  $600\,\mathrm{m}\,\mathrm{m}$  nominal centres through frame straps and GiB Fyreline into steel stud. Standard is 4 no. per jamb (front section) and 2 no. per jamb (rear section)

Head Fixing (minimum):

Single door - none required

Paired door - 2 no. fasteners required (front section only)

Stud size:

 $65 \times 34\,\mathrm{mm}$  minimum of  $0.5\,5$  SMG gauge

Wedging gap:

0-10 m m

Insulation rating:

To obtain an insulation rating, all voids in the steel frame and wedging gaps must be packed with either;

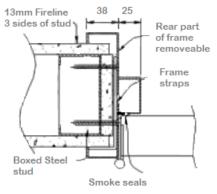
Plasterboard (30 minutes)

Ceramic fibre blanket, 64 kg/m 3 min. (30 minutes)

Mineral wool blanket, 64 kg/m 3 min. (30 minutes)

No frame packing equals no insulation rating (i.e. -/xx/-)

### PR60 2-part Steel frame in Steel Stud



FRAME PROFILE D2