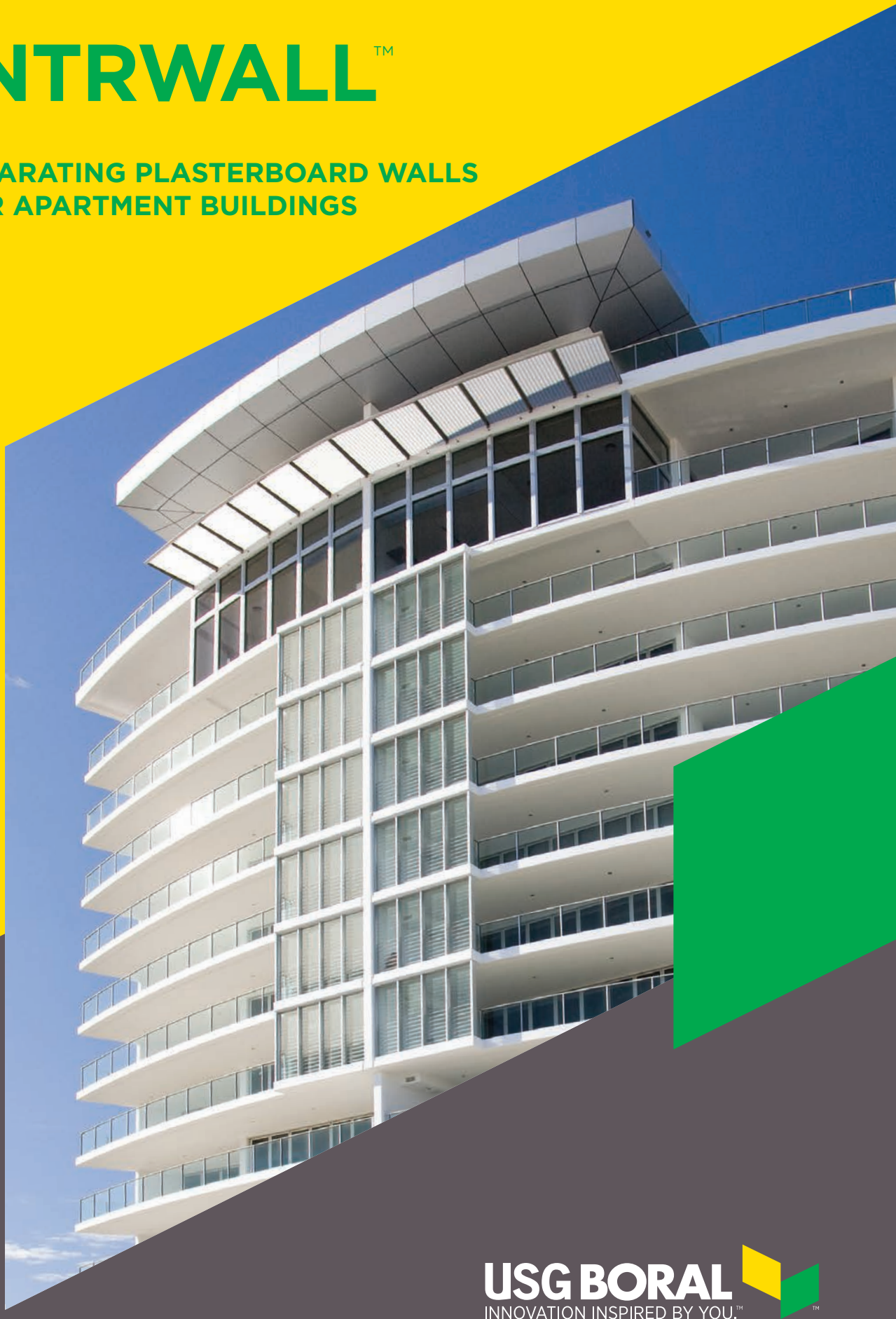
INTRWALL™

SEPARATING PLASTERBOARD WALLS FOR APARTMENT BUILDINGS



USG BORAL
INNOVATION INSPIRED BY YOU.™

Preface

USG Boral Building Products is a plasterboard and ceilings manufacturing joint venture between USG Corporation and Boral Limited, and is one of the leading players in this field.

Operating throughout Asia, Australasia and the Middle East, USG Boral Building Products combines USG's innovative building products technologies with Boral's extensive plasterboard manufacturing and distribution footprint in Asia and Australia.

Among the successful solutions introduced by the company over the years are: Partiwall® and IntRwall intertenancy separating wall systems.

USG Boral Building Products is well positioned to service the New Zealand market through its manufacturing facilities in Australia and distribution facilities in Auckland, Wellington and Christchurch.

For more information on USG Boral Building Products refer to **www.usgboral.com**

Introduction

This manual is intended for use by industry professionals and building practitioners. It outlines recommended methods for the installation and finishing of USG Boral IntRwall.

Technical Assistance

USG Boral's Product and Systems Development (PSD) team boasts expertise in lightweight fire rated and acoustic systems, and routinely works with customers to select and, if required, tailor solutions for specific projects.

Together with the technical help line, USG Boral's PSD team is well positioned to provide technical support to projects of any size and complexity.

For expert advice on lightweight building systems, contact USG Boral by calling 0800 USGBORAL (0800 874 267).

ISO 9001 Quality Assurance

USG Boral Building Products Pty Ltd is a certified ISO 9001 - 2015 manufacturer No. QEC 0400 by SAI Global

Certified System
Quality
ISO 9001
SAI GLOBAL

Standards

The following Australasian and other Standards are referenced in this publication:

- AS/NZS 2588:2018 *Gypsum plasterboard*
- AS/NZS 2589:2017 *Gypsum linings — Application and finishing*
- AS/NZS 1170.2:2011 *Structural Design Actions – Wind actions*
- NZS 1170.5:2004 *Structural Design Actions – Earthquake actions*
- AS 1397:2011 *Steel sheet and strip — Hot dipped, zinc coated or aluminium/zinc coated*
- AS 3566:2002 *Self-drilling screws for the building and construction industries*
- ISO 9001 *Quality systems — Model for quality assurance in production, installation and servicing*
- AS/NZS 4600:2018 *Cold-formed steel structures.*

NZBC Compliance

USG Boral has all the necessary evidence to confirm that IntRwall complies with the relevant provisions of the New Zealand Building Code (NZBC) as at 1 April 2017.

IntRwall complies with NZBC:

- Structure B1
- Durability B2
- Fire Affecting Areas Beyond the Fire Source C3
- Hazardous Building Materials F2
- Airborne/Impact Sound G6

Refer to the USG Boral IntRwall System Technical Statement for further compliance details.

CONTENTS

INTRODUCTION

USG Boral IntRwall is the next generation of the highly successful Partiwall separating wall system for apartment buildings. Based on the same panelised construction principles, USG Boral IntRwall represents the latest advancement in lightweight fire and acoustic rated technology, offering reduced construction costs compared to masonry walls, without compromising on performance.

The system has been designed for maximum flexibility allowing building designers to select appropriate acoustic and fire rated walls to meet their design specifications. IntRwall systems have been developed for use in multi-level buildings.

FEATURES AND BENEFITS

- A simple, cost-effective, panelised lightweight system that can easily be installed by an interior lining contractor.
- The readily available components are easy to handle and install and don't require heavy lifting.
- Simple assembly means faster construction and easier inspection of acoustic and fire sealing.
- The contractor installs all components promoting better coordination of site work.
- Services can be easily incorporated in the wall cavities.
- The systems IW60.1, IW90.2 and IW90.3, have a narrow footprint allowing an increased usable area compared to concrete and masonry walls, with equivalent fire and acoustic ratings.
- Acoustic ratings STC 55-69dB, meeting and exceeding NZBC requirements.
- Fire ratings up to FRR -/120/120, meeting and exceeding NZBC requirements.
- If required, the stud centres can be reduced so that the system can be used in areas subject to higher than normal pressures.

PERFORMANCE - FIRE

The IntRwall system IW60.1 has been fire tested at Warrington Fire Research facility in Melbourne. The performance of other IntRwall systems have been appraised in CSIRO's assessment numbers FCO-2110, FSV 0883, FCO-2256, FCO-2434, FCO-2660 and Warrington's assessment numbers WFRA 40970, WFRA 41038.

INTRODUCTION

PERFORMANCE - STRUCTURAL

The IntRwall system has been tested in USG Boral's NATA accredited laboratory in Port Melbourne and satisfies the requirements to a **maximum height of 3.0m.** For greater wall height refer to USG Boral for advice. Other IntRwall systems meet the requirements of max deflection L/240 @ 250Pa, lateral pressure.

Table 1: Allowable Internal Pressure On Wall Systems

IntRwall Systems Max Height 3.0m	Pa							
	250	350	500	600	700	800	900	1000
IW60.1 IW90.2 IW90.3	✔	✔	–	–	–	–	–	–
IW60.3A IW60.3C	✔S	✔S	✔S	✔S	✔S	✔S	✔S	✔S
IW90.4A IW90.4C IW120.1	✔S	✔S	✔S	✔S	✔S	✔S	✔S	✔S

S - Non-fire rated steel "C" studs to be designed to support required internal pressures

NOTE:
In high-rise apartment construction, confirmation of internal design pressures should be obtained from the project structural engineer, especially where there are large openings such as sliding glass doors onto balconies. Consult Rondo for stud sizes, heights and spacing for design pressures other than those specified.

ACOUSTIC

The IntRwall system has been the subject of a series of acoustic tests at the CSIRO Acoustic Laboratory at Highett, Victoria. Acoustical Opinions have been determined by Heggies Pty Ltd.

The range of USG Boral IntRwall systems fulfil the minimum acoustic isolation requirements of the NZBC: STC = 55dB.
'Discontinuous Construction', where impact sound insulation is required, is satisfied by the IntRwall systems as they are designed with a minimum 20mm cavity between the Shaftliner™ panel and the stud framing.

Sound Insulation Rating of Services

If services (duct, soil, waste or water supply pipe) are to be located within the IntRwall system, and the adjacent dwelling is a habitable room (other than a kitchen), check correct system selection to ensure the minimum NZBC requirement is achieved.

LIMITATIONS

Not suitable for use in lift shafts or in other similar situations subjected to cyclical loading.

Independent studs in the IntRwall system have been designed for 250Pa pressures only. For other imposed loads (including shelf loads) refer to a structural engineer for details.

Systems with a single layer of Shaftliner™ are not to be used for corridor walls. Penetrations in Shaftliner™ panels are not permitted, other than specific details in Figs. 19 & 20. Contact USG Boral Plasterboard for further information.

To ensure compliance with performance requirements under the NZBC, it is recommended that the USG Boral IntRwall systems are installed using the components and accessories specified and in accordance with the instructions outlined in this brochure. Material substitution may affect the performance of the IntRwall systems.

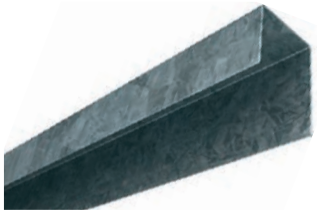
CONSTRUCTION

Materials

It is recommended that all materials, unless otherwise indicated, are supplied by USG Boral and installed in accordance with current printed instructions. All materials should be delivered in their original unopened packages and stored clear of the ground in an enclosed shelter, providing protection from damage and exposure to the elements. Damaged or deteriorated materials must not be used and should be removed from site.

The following materials are used in constructing IntRwall systems:

- USG Boral Shaftliner™ plasterboard – 25mm thick x 600mm wide
- HB Fuller Firesound™ sealant
- USG Boral plasterboard as specified system
- steel studs, tracks and angles as shown below
- screws and appropriate substrate anchors
- jointing paper tape and compounds
- insulation as required.



H STUD DEFLECTION HEAD TRACK

IHT2530 40 x 28 x 50 x 0.7 BMT galvanised mild steel

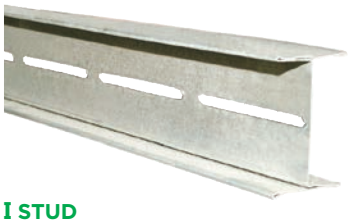
RONDO DEFLECTION HEAD TRACK

51DT75 (50mm flange) 0.75mm BMT galvanised mild steel

25mm (30mm min flange) Deflection Head Track requires special order.

ANGLE

(Rondo PN 553) 35 x 35 x 0.70mm BMT galvanised mild steel



I STUD

(25IS55 and 51IS55) 0.55mm BMT galvanised mild steel

Approved Sealant

The following fire-grade sealant can be used in the installation of IntRwall:

Table 2: Approved Fire-Grade Sealant

Product Name	Product Brand
Firesound™	HB Fuller

Construction Notes

- The builder or contractor is to confirm with the building designer prior to construction that the selected wall systems meet all design specifications.
- All dimensions to be confirmed by the builder or contractor prior to construction.
- The stability of walls during construction shall be the builder's or contractor's responsibility.
- All gypsum linings application and finishing to conform to AS/NZS 2589:2017 *Gypsum linings - Application and finishing*.
- All cold form steel construction to conform to AS/NZS 4600:2018 *Cold-formed steel structures*.
- Any damaged steel members are not to be corrected and reused, as the structural integrity of members may have been impaired or lost.
- Details published in this brochure should not be modified unless approved by USG Boral prior to construction.

INTRWALL SYSTEM SPECIFICATION

Although the system table contains information about the basic system, it does not provide a full description of the system as required for the purposes of project specification.

For a full and unambiguous description of a USG Boral system, the table must be accompanied by the performance specification, which may include:

- fire resistance rating (FRR)
- acoustic isolation rating (STC/R_w)
- design lateral pressure
- any imposed loads
- maximum (or minimum) wall width
- maximum wall deflection
- expected soffit deflection.

To adequately specify a system, the system table and performance specification should be accompanied by additional information such as:

- stud size
- wall height
- type and location of acoustic/thermal insulation
- number, location and size of noggings and fixing plates
- requirement for special head details
- the required level of finish
- the presence within the system of other items eg protective steel mesh or sheet.

INTRWALL SYSTEMS

IW60.1

FIRE RESISTANCE RATING
NLB **-/60/60**
FROM BOTH SIDES

FRR Basis: FCO-2660, WFRA 40970, WFRA 41038, FCO-2256

Side 1:
- Non-fire resistant lining (refer to table)
- 64mm steel C-studs @ 600mm ctrs
- 20mm or 36mm gap between C-studs and fire barrier
- Insulation (refer to table)

Fire Barrier:
- 2x25mm Shaftliner between 51mm I-studs @ 600mm ctrs

Side 2:
- Non-fire resistant lining-direct fixed to I-studs

Acoustic Ratings BASIS: RT&A TE405-20S05

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH (GAP) mm	INSULATION*	R_W	STC
IW60.1A	1x13mm SHEETROCK	1x13mm SHEETROCK	161 (20)	75G11, 75P14 (stud cavity)	55	56
IW60.1H	1x13mm FIBEROCK	1x13mm FIBEROCK	171 (36)	90G11, 90P14 (stud cavity)	61	62
IW60.1I	1x13mm FIBEROCK	1x13mm SHEETROCK	177 (36)	90G11, 90P14 (stud cavity)	60	61

* **75/90G11** – 75/90mm glasswool insulation - density 11kg/m³
75/90P14 – 75/90mm polyester insulation - density 14kg/m³

IW60.3

FIRE RESISTANCE RATING
NLB **-/60/60**
FROM BOTH SIDES

FRR Basis: FCO-2256

Side 1:
- Non-fire resistant lining (refer to table)
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Fire Barrier:
- 1x25mm Shaftliner between 25mm H-studs @ 600mm ctrs

Side 2:
- Non-fire resistant lining (refer to table)
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Acoustic Ratings BASIS: RT&A TE405-20S05

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH (GAP) mm	INSULATION*	R_W	STC
IW60.3A	1x13mm SHEETROCK	1x13mm SHEETROCK	220 (20)	75G11, 75P14 (both cavities)	55	55
IW60.3C	1x13mm SOUNDSTOP	1x13mm SOUNDSTOP	220 (20)	90G11, 90P14 (both cavities)	66	66

* **75/90G11** – 75/90mm glasswool insulation - density 11kg/m³
75/90P14 – 75/90mm polyester insulation - density 14kg/m³

NOTES:
- IW60.3 systems are not to be used for corridor walls unless approved by USG Boral.
- Penetrations in Shaftliner panels are not permitted.

INTRWALL SYSTEMS

IW90.2

FIRE RESISTANCE RATING
NLB **-/90/90**
FROM BOTH SIDES

FRR Basis: FCO-2660, FSV 0883, EWFA 2724-00

Side 1:
- 1x 13mm fire resistant pbd
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation between studs (refer to table)

Fire Barrier:
- 2x25mm Shaftliner between 51mm I-studs @ 600mm ctrs

Side 2:
- Nil linings

Acoustic Ratings BASIS: RT&A TE405-20S05

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH (GAP) mm	INSULATION*	R_w	STC
IW90.2A	1x13mm FIRESTOP	Nil	150 (20)	75G11, 75P14 (stud cavity only)	57	58
IW90.2B	1x13mm MULTISTOP	Nil	150 (20)	75G11, 75P14 (stud cavity only)	58	59

* **75G11** – 75mm glasswool insulation - density 11kg/m³
75P14 – 75mm polyester insulation - density 14kg/m³

NOTES:
- Penetrations in IW90.2 systems lining Side 1 only must be fire-rated.
- Penetrations in Shaftliner are not permitted.

IW90.3

FIRE RESISTANCE RATING
NLB **-/90/90**
FROM BOTH SIDES

FRR Basis: FCO-2660, FCO-2434, EWFA 2724-00

Side 1:
- 1x 13mm fire resistant pbd
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Fire Barrier:
- 2x25mm Shaftliner between 51mm I-studs @ 600mm ctrs

Side 2:
- 1x 13mm fire resistant pbd direct-fixed to I-studs

Acoustic Ratings BASIS: RT&A TE405-20S05

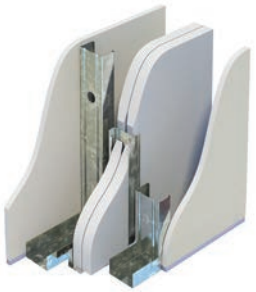
SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH (GAP) mm	INSULATION*	R_w	STC
IW90.3A	1x13mm FIRESTOP	1x13mm FIRESTOP	160 (20)	75G11, 75P14 (stud cavity only)	59	60
IW90.3B	1x13mm MULTISTOP	1x13mm MULTISTOP	160 (20)	75G11, 75P14 (stud cavity only)	60	61
IW90.3C	1x13mm FIRESTOP	1x13mm MULTISTOP	160 (20)	75G11, 75P14 (stud cavity only)	59	60

* **75G11** – 75mm glasswool insulation - density 11kg/m³
75P14 – 75mm polyester insulation - density 14kg/m³

IW90.4

FIRE RESISTANCE RATING
NLB **-/90/90**
FROM BOTH SIDES

FRR Basis: WFRA 40970, FSV 0883



Side 1:
- Non-fire resistant lining (refer to table)
- 64mm steel C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Fire Barrier:
- 2x25mm Shaftliner between 51mm I-studs @ 600mm ctrs

Side 2:
- Non-fire resistant lining (refer to table)
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Acoustic Ratings BASIS: RT&A TE405-20S05

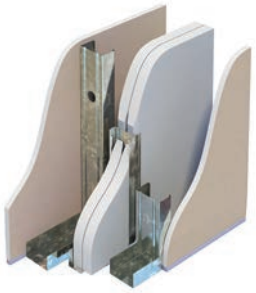
SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH (GAP) mm	INSULATION*	R_w	STC
IW90.4A	1x13mm SHEETROCK	1x13mm SHEETROCK	245 (20)	75G11, 75P14 (both cavities)	58	58
IW90.4C	1x13mm SOUNDSTOP[1]	1x13mm SOUNDSTOP	245 (20)	75G11, 75P14 (both cavities)	69	69

* **75G11** – 75mm glasswool insulation - density 11kg/m^3
75P14 – 75mm polyester insulation - density 14kg/m^3

IW120.1

FIRE RESISTANCE RATING
NLB **-/120/120**
FROM BOTH SIDES

FRR Basis: FCO-2434, EWFA 2724-00



Side 1:
- 1x13mm fire resistant pbd
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Fire Barrier:
- 2x25mm Shaftliner between 51mm I-studs @ 600mm ctrs

Side 2:
- 1x13mm fire resistant pbd
- 64mm C-studs @ 600mm ctrs
- 20mm gap between C-studs and fire barrier
- Insulation (refer to table)

Acoustic Ratings BASIS: RT&A TE405-20S05

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH (GAP) mm	INSULATION*	R_w	STC
IW120.1A	1x13mm FIRESTOP	1x13mm FIRESTOP	245 (20)	75G11, 75P14 (both cavities)	67	67
IW120.1B	1x13mm MULTISTOP	1x13mm MULTISTOP	245 (20)	75G11, 75P14 (both cavities)	69	69
IW120.1C	1x13mm FIRESTOP	1x13mm MULTISTOP	245 (20)	75G11, 75P14 (both cavities)	68	68

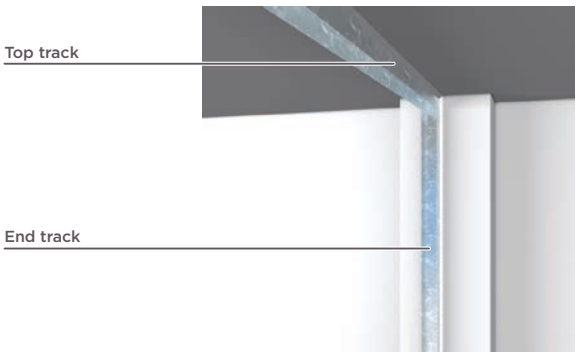
* **75G11** – 75mm glasswool insulation - density 11kg/m^3
75P14 – 75mm polyester insulation - density 14kg/m^3

NOTES:

- Penetrations in IW120.1 systems lining Sides 1 and 2 only must be fire-rated.
- Penetrations in Shaftliner are not permitted.

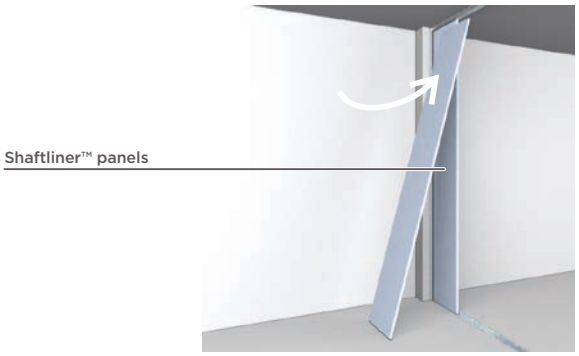
INTRWALL RECOMMENDED INSTALLATION SEQUENCE

(for 2x Shaftliner systems)



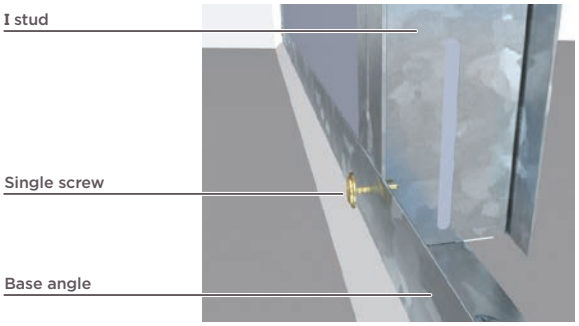
Step 1

- Install the top and wall tracks and bottom angle.
- Seal the junctions between angle, tracks and abutting surfaces with approved H.B. Fuller Firesound™ fire grade sealant.



Step 2

- Fit the first Shaftliner™ panel into the top track. Slide it hard into the wall track
- Fit the second Shaftliner™ panel into the top track and wall tracks. (Not applicable to system IW60.3)

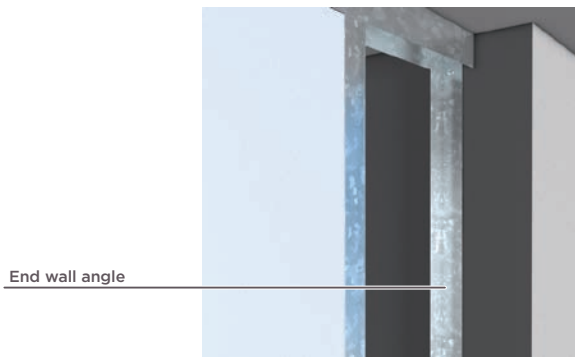


Step 3

- Fit the first I stud into the top track and slide it hard over the edges of installed Shaftliner™ panels.
- Screw-fix the I stud into the bottom angle.

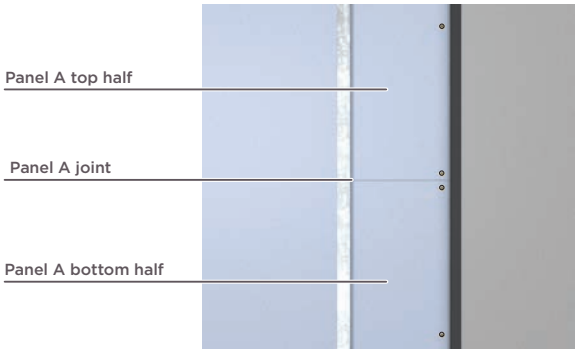
Step 4

- Repeat steps 2 and 3 of the sequence to install the rest of the Shaftliner™ panels and I studs up to the last I stud.



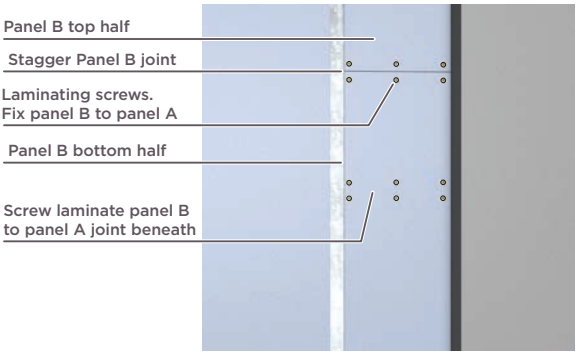
Step 5

- Install the wall angle in line with the bottom angle.
- Seal the junction between the angle and abutting surfaces with approved fire grade sealant.



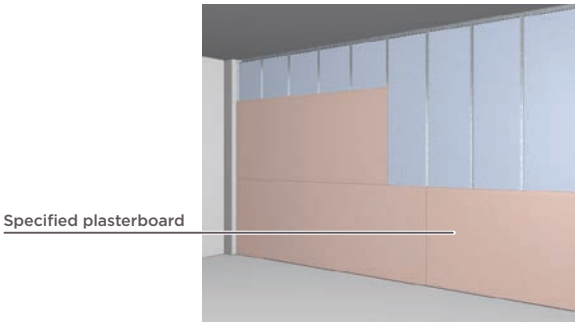
Step 6

- Install end panels A (as shown on page 14).



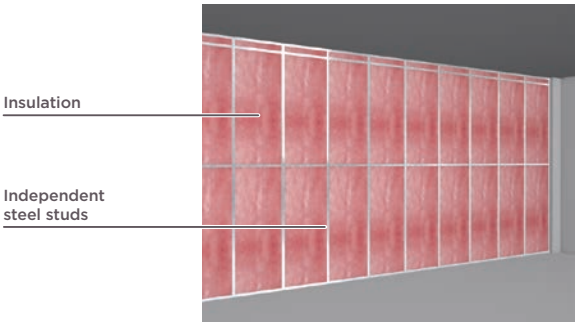
Step 7

- Install end panels B (as shown on page 14).



Step 8

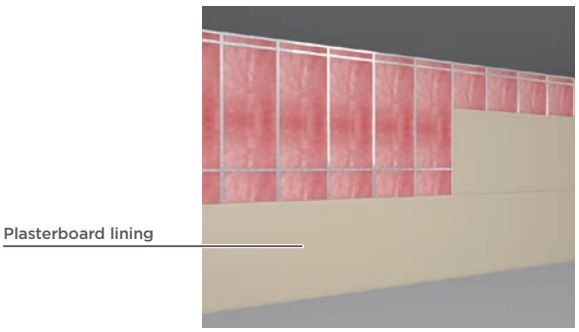
- Install the plasterboard lining on one side of the Shaftliner™ panels as specified (direct-fixed to I studs, or on free-standing steel frame).



Step 9

- Install free-standing steel C stud frame on the other side leaving a 20mm minimum gap to I studs.
- Fit acoustic insulation between steel C studs as required.

Note: For independent stud framing installation refer to USG Boral standard details in the Systems+ manual.

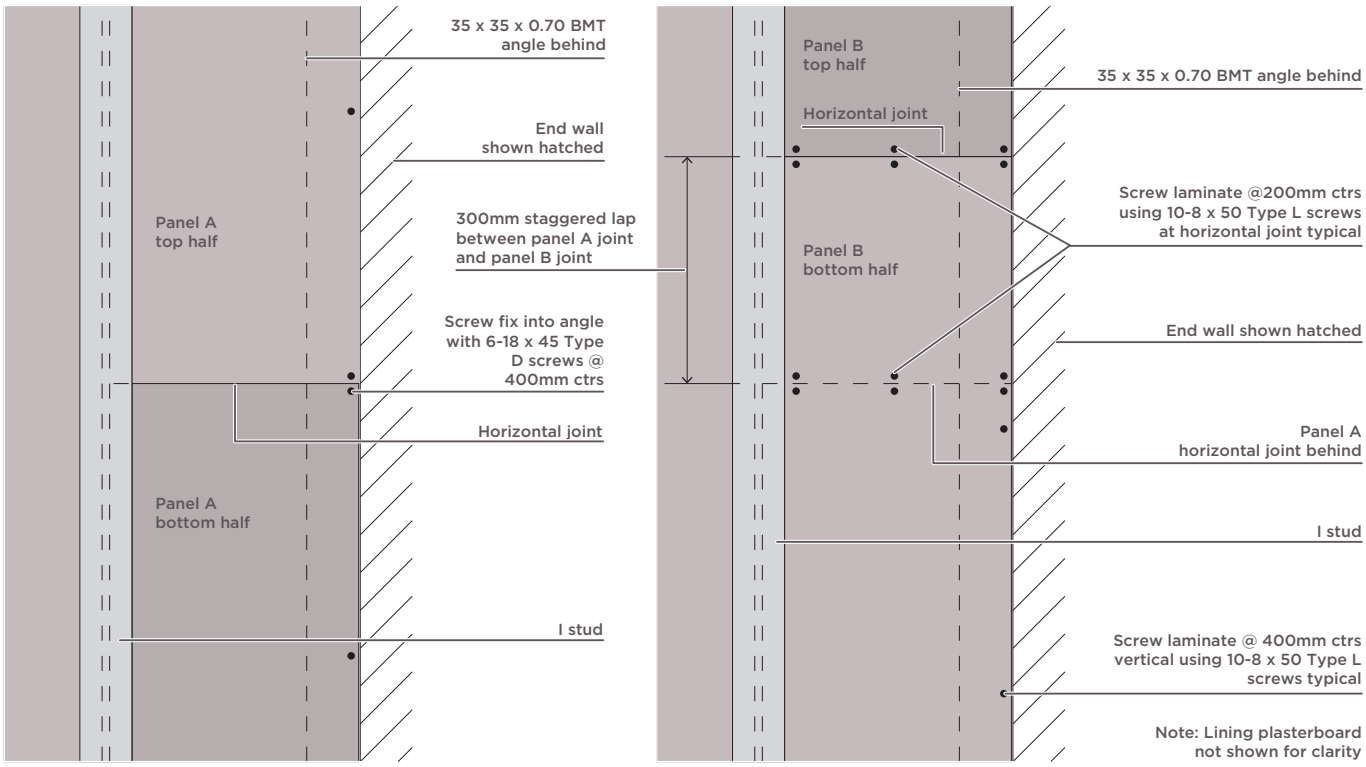


Step 10

- Screw-fix specified plasterboard to the steel C studs.
- Seal gaps around the perimeter of the specified plasterboard lining with H.B Fuller Firesound™ acoustic sealant.

INTRWALL INSTALLATION DETAILS

Figure 1: Elevation at 'X' (refer page 6, Fig. 6)



Panel A **Panel B**

Installation of End Panel (2x Shaftliner systems)

1. Cut the Shaftliner™ panel A at mid-height and install the bottom half. Screw-fix to the wall angle with 6 - 18 x 45 Type D screws @ 400mm centres.

2. Install the top half of panel **A**. Screw-fix to the wall angle with 6-18 x 45 type D screws @ 400mm centres.
   Note: Top half of panel to sit directly on bottom half panel.

3. Cut panel **B** in two pieces. Ensure 300mm stagger with Panel **A** horizontal joint.

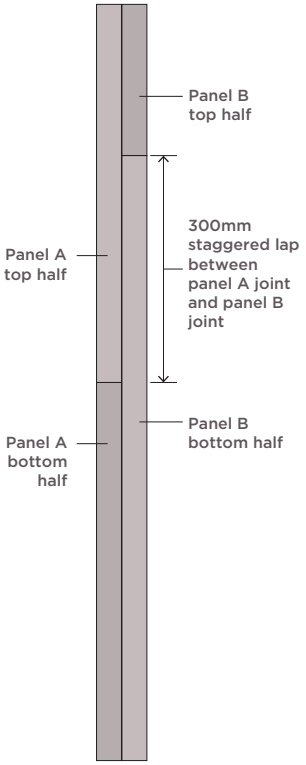
4. Install the top half of panel **B** into the top track and last **I** stud. Ensure to leave a 15mm gap in top track.

5. Install the bottom half of panel **B**. Ensure the top half of panel sits directly on the bottom half panel.

6. Screw laminate together all horizontal panel joints and vertical edges as indicated.

7. Install specified USG Boral plasterboard lining. Fix to I studs @ 400mm ctrs typical.

Figure 1: Cross Section



Installation of End Panel (1x Shaftliner system IW60.3)

1. Use steps 3-5 above. Ensure there is a continuous bead of approved firegrade Firesound™ sealant between top and bottom halves.

Figure 2: Head Detail – FRR -/60/60

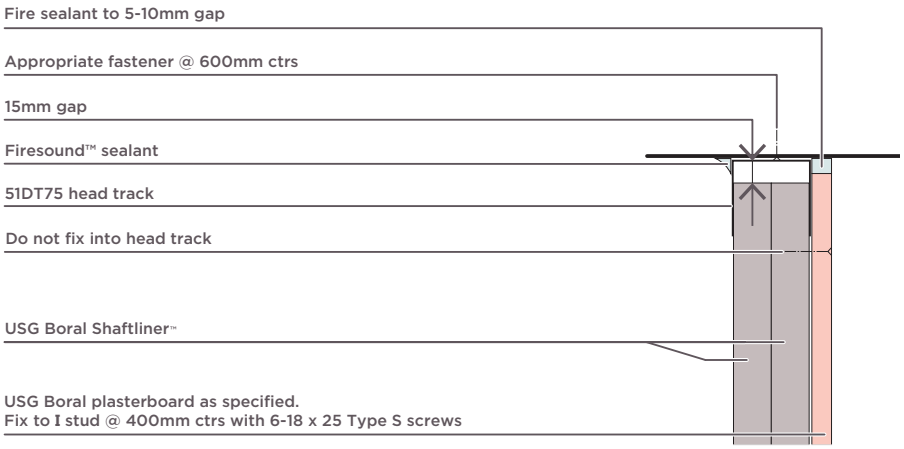


Figure 3: Head Detail – Increasing FRR -/60/60 to -/90/90

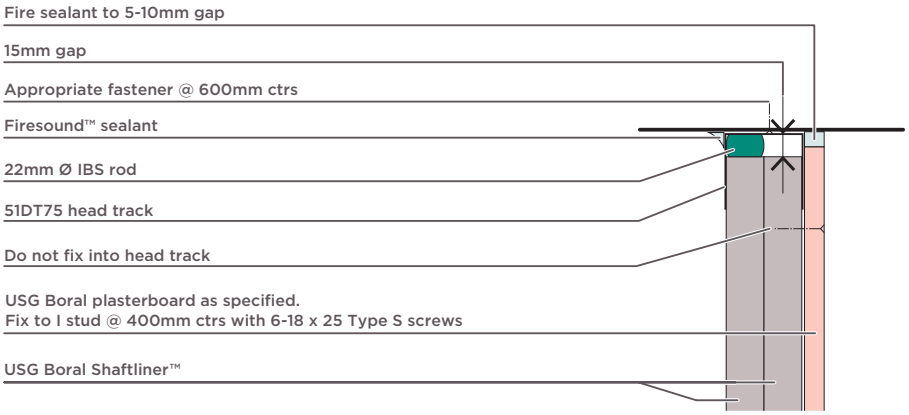
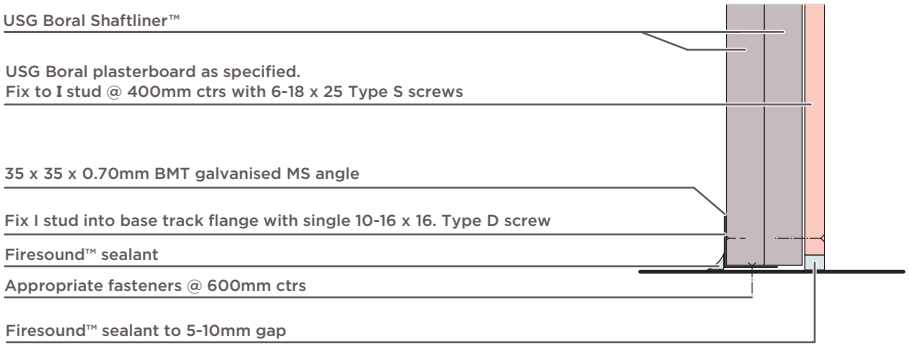


Figure 4: Base Detail – Typical



INTRWALL INSTALLATION DETAILS

Figure 5: Wall/Column Track Detail

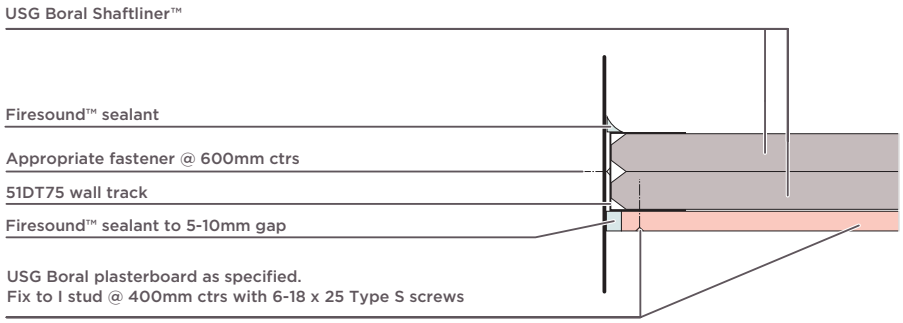


Figure 6: End Panel to End Wall Track Detail

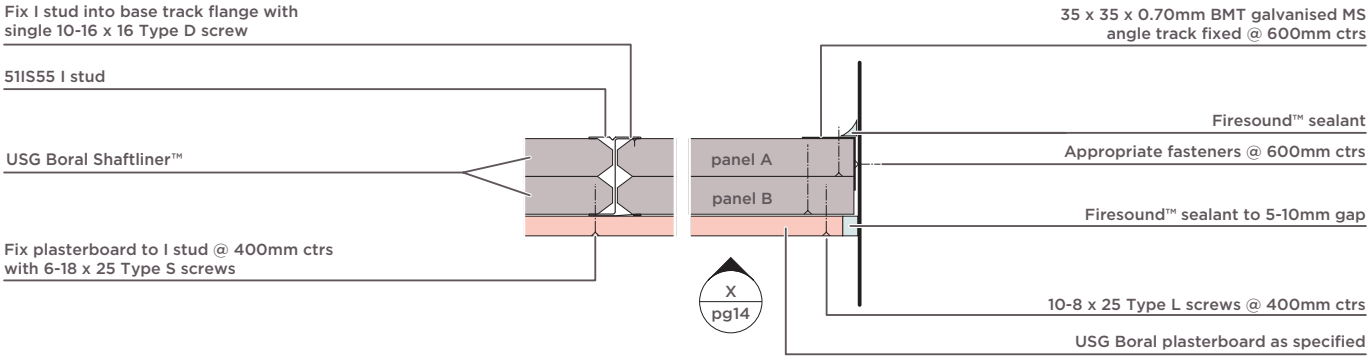
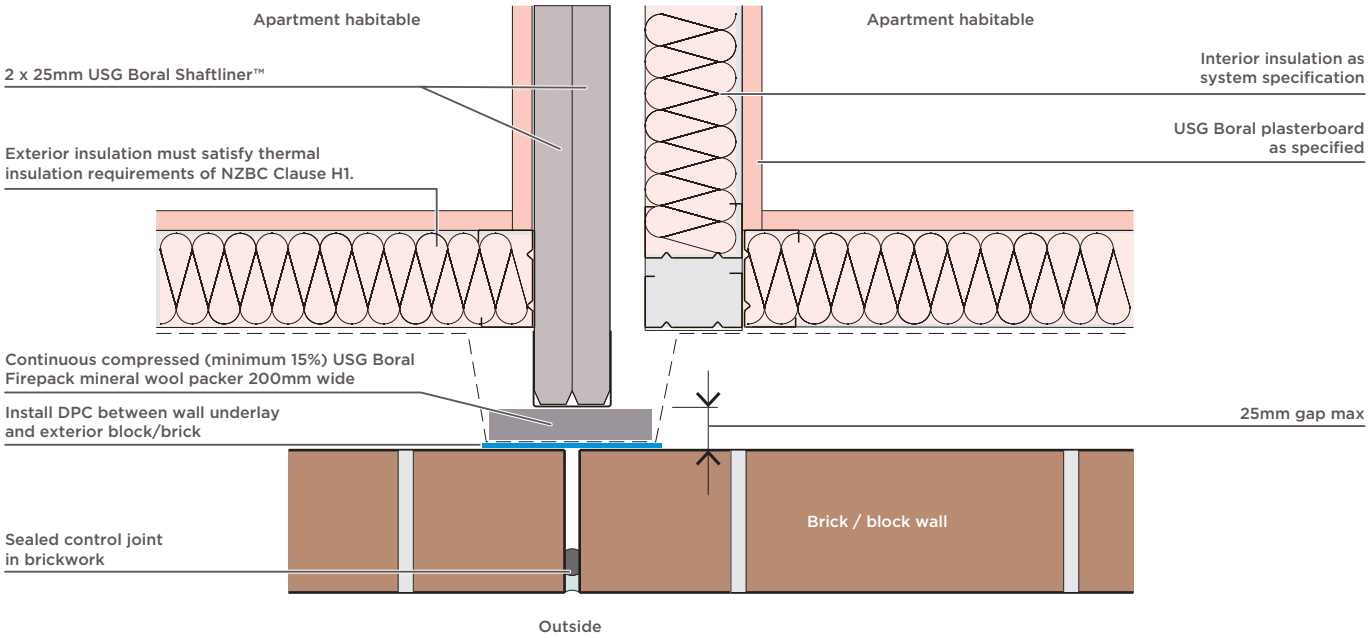


Figure 7: Panel to External Wall Junction Detail



— Flanking due to adjacent penetrations in external walls may reduce the STC of the wall unless special acoustic treatment is undertaken.

— Unless notified otherwise, details and construction to be to standard USG Boral fire rated or non fire rated wall system details as appropriate.

Figure 8: Panel T-Junction Detail

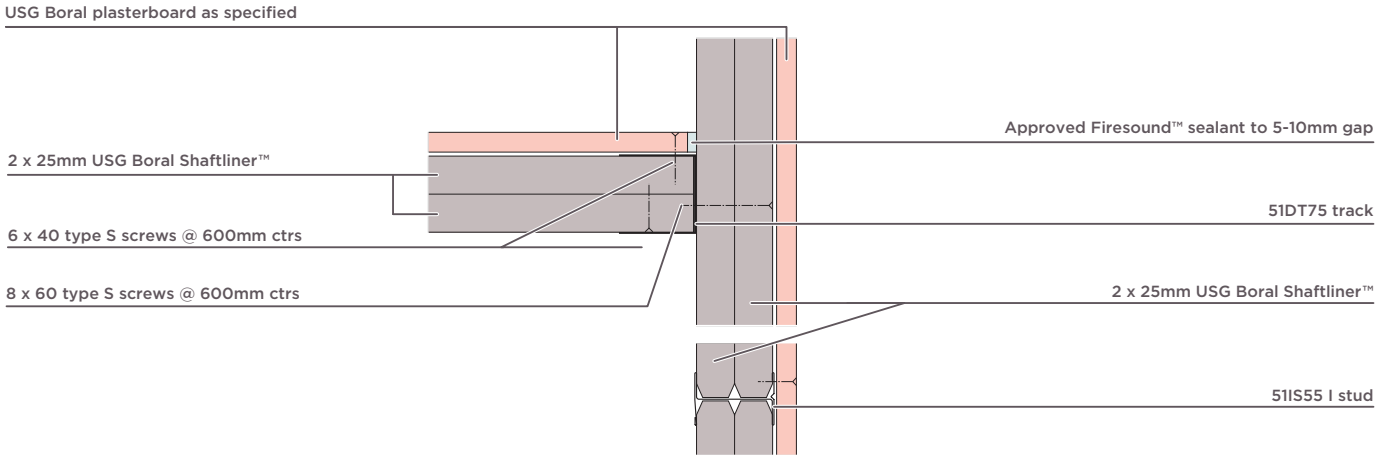


Figure 9: Panel Change of Direction Detail

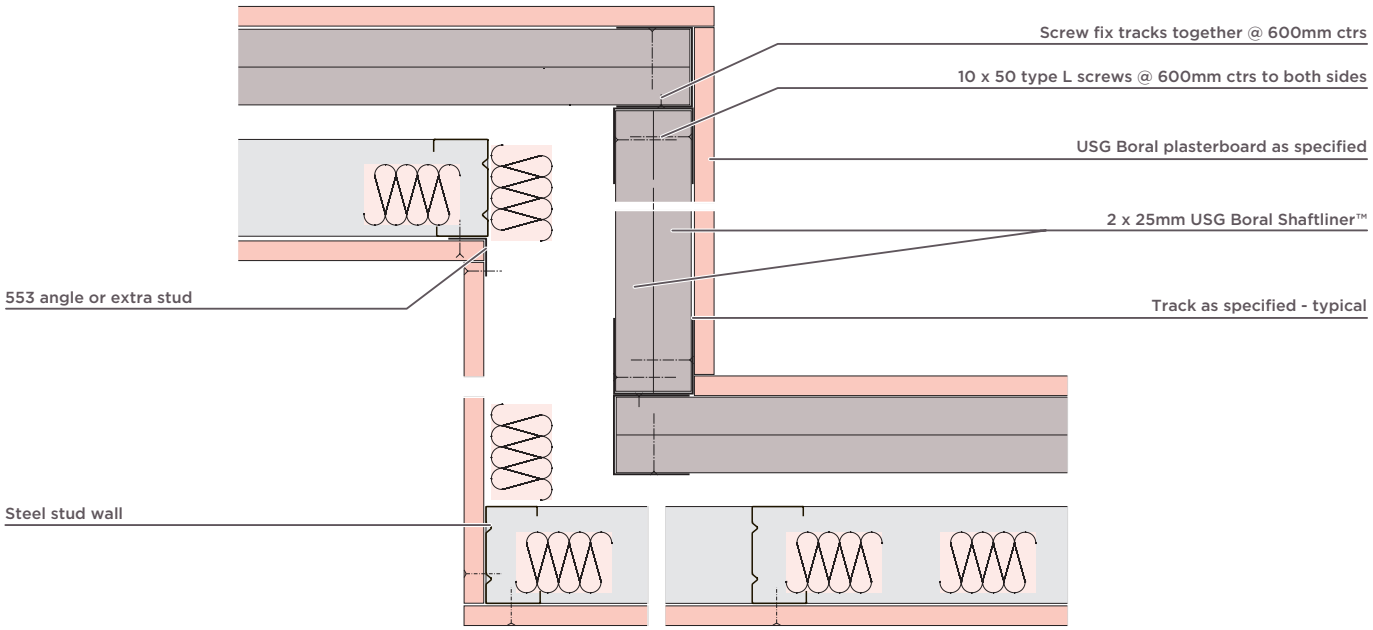
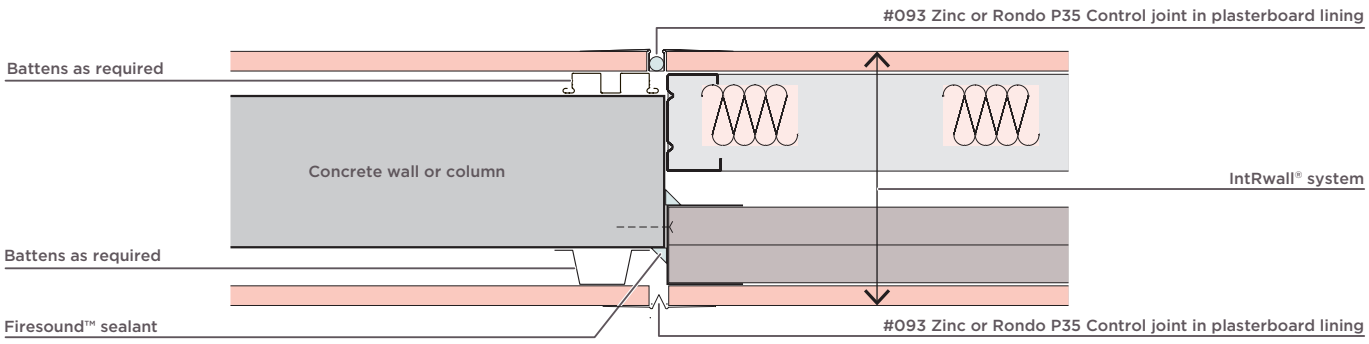


Figure 10: IntRwall to Wall/Column Detail



INTRWALL INSTALLATION DETAILS

Figure 11: Shaftliner™ Panels to Door Junction Detail 1

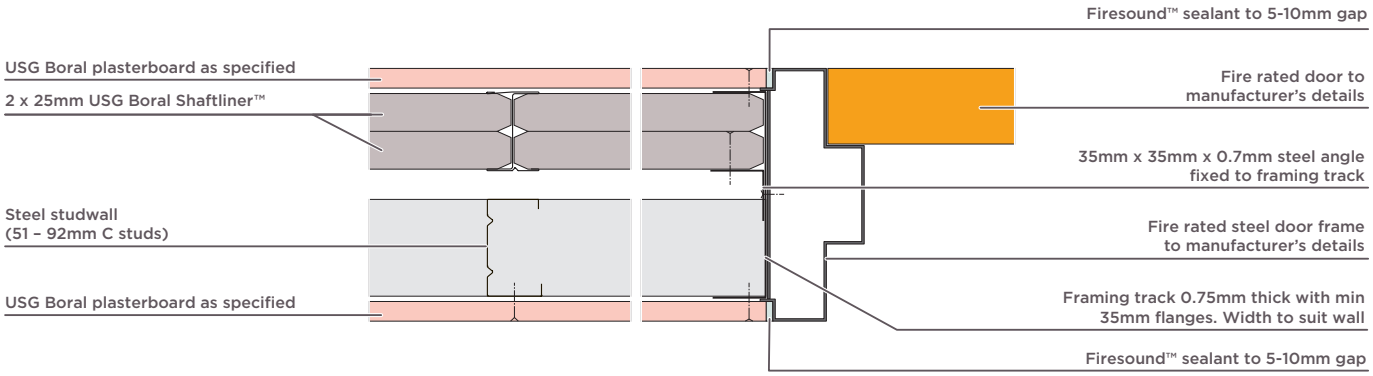


Figure 12: Shaftliner™ Panels to Door Junction Detail 2

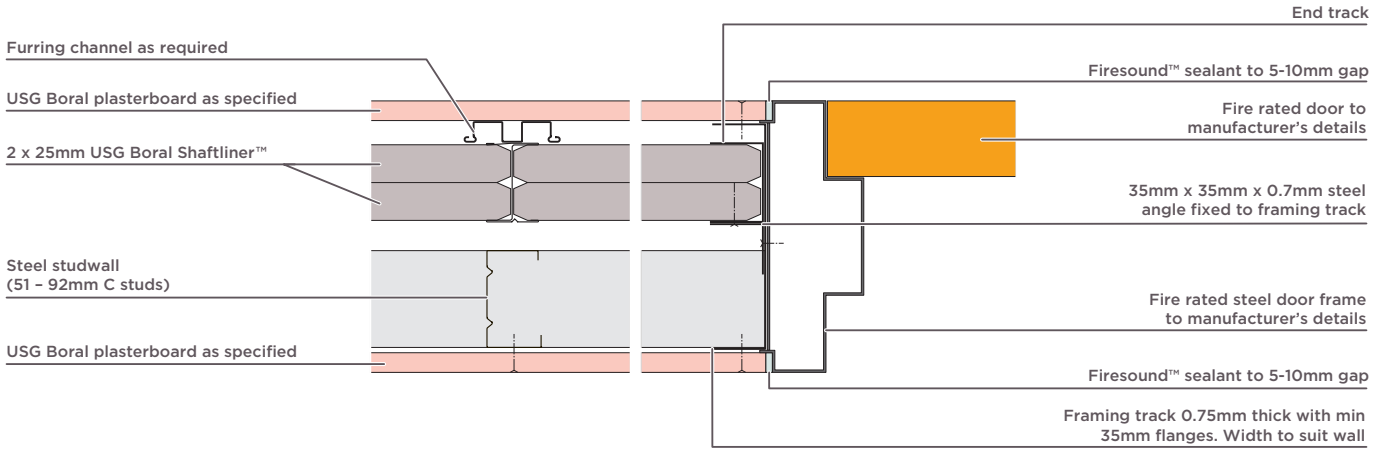


Figure 13: Shaftliner™ Panels to Door Junction Detail 3

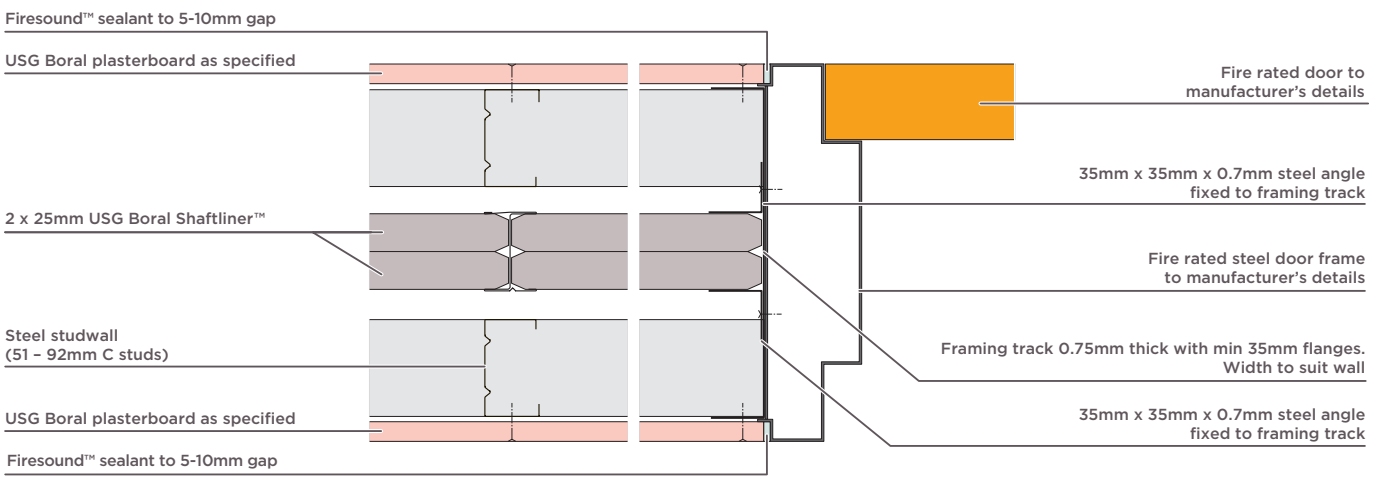


Figure 14: Typical Door Head Detail

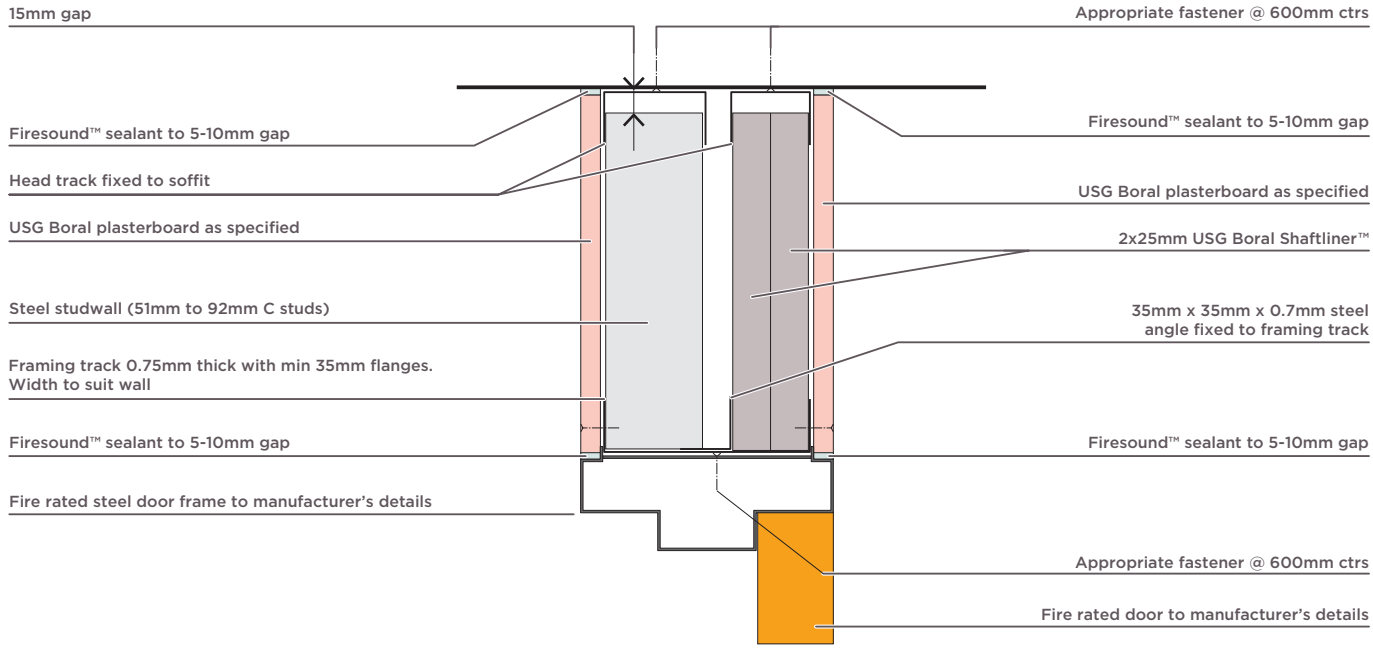


Figure 15: Non-Fire Rated GPO Detail

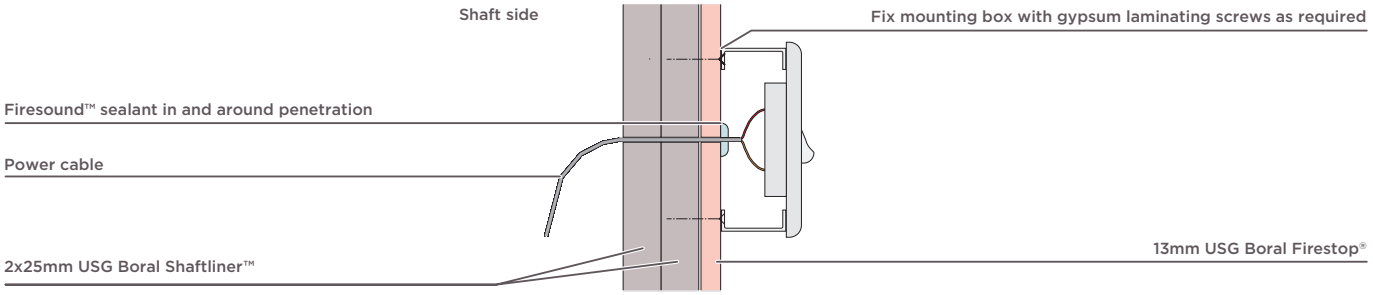
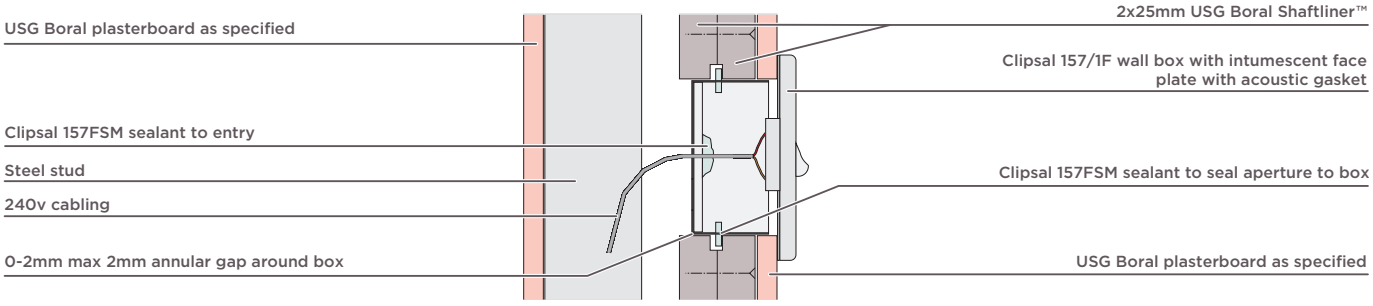


Figure 16: Fire Rated GPO Detail



INTRWALL INSTALLATION DETAILS

Figure 17: Plumbing Details – FRR -/60/60

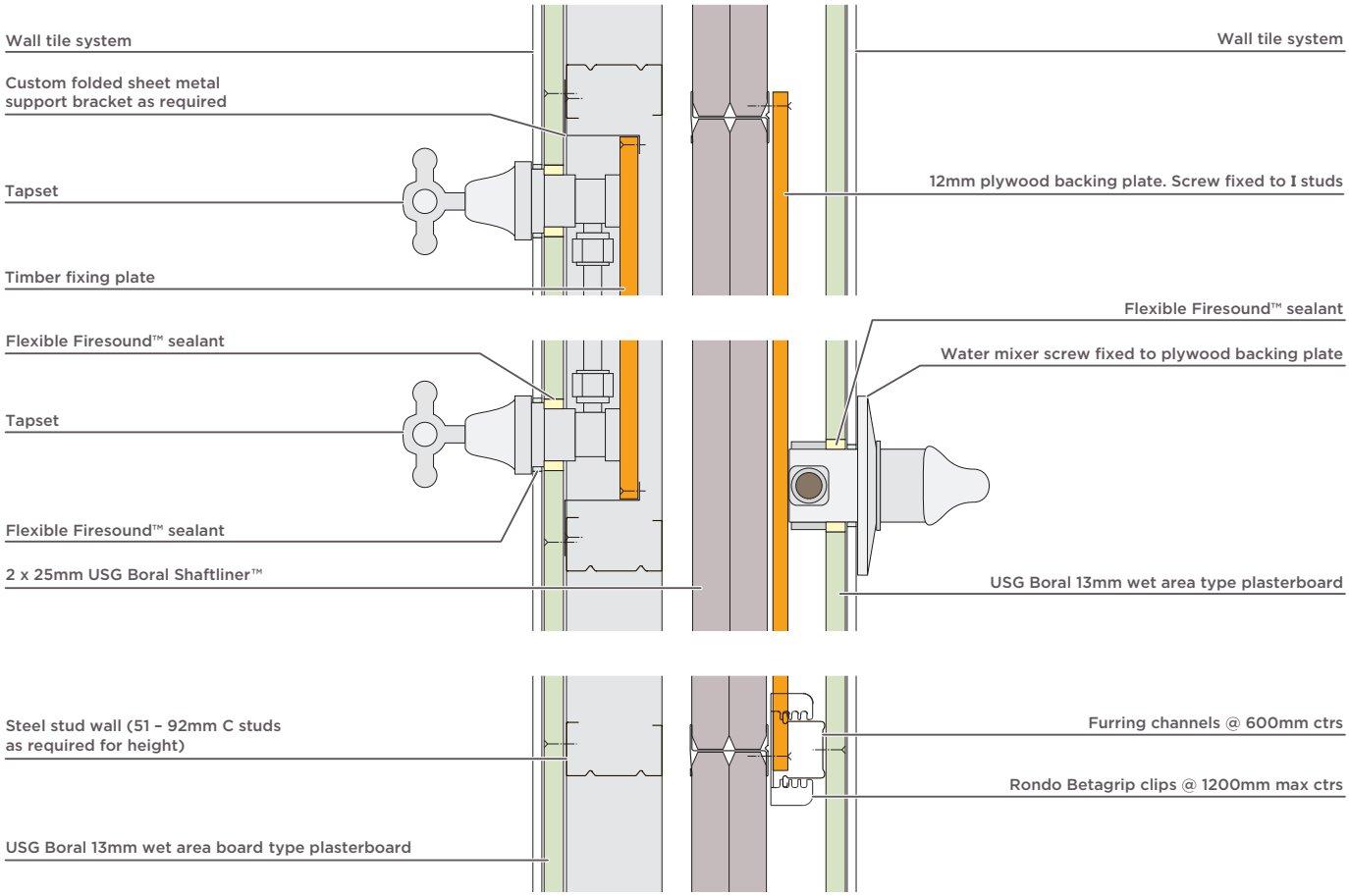
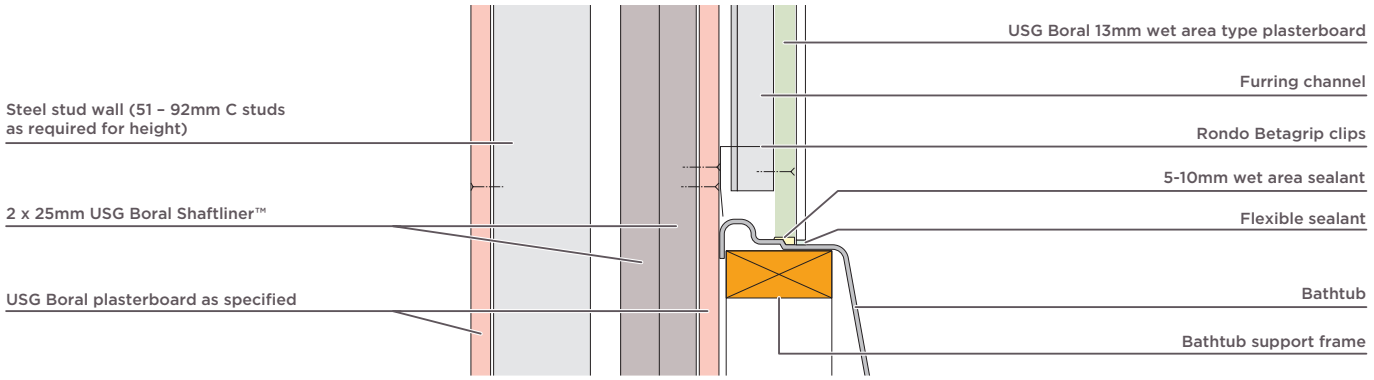


Figure 18: Bathtub Detail



Note: Refer IntRwall Systems on page 9 for plasterboard linings type to achieve required fire and acoustic performance.

Figure 19: Up to 100mm Dia uPVC Pipe Penetration Through Panel FRR -/120/90

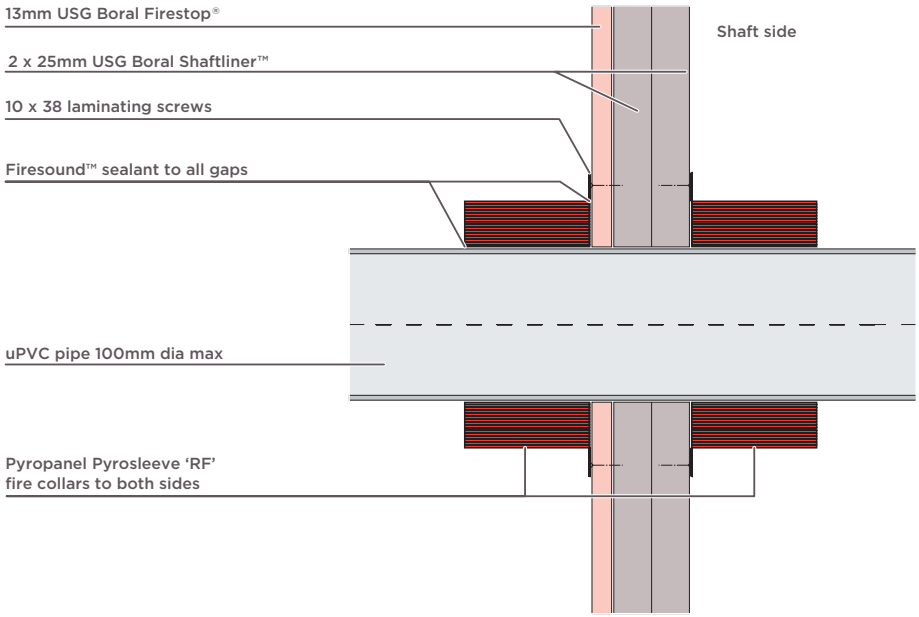
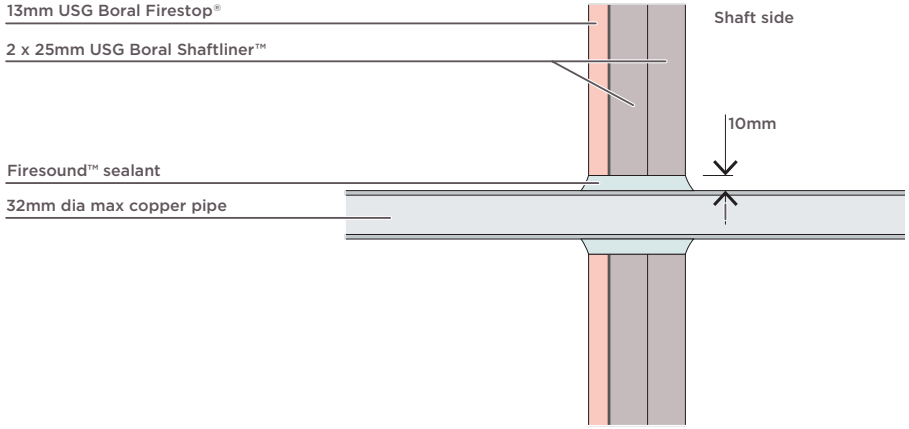


Figure 20: Up to 32mm Dia Copper Pipe Penetration Through Panel FRR -/120/-



INTRWALL INSTALLATION PRODUCER STATEMENT PS3

Builder: Date:

Installer:

Project Site Address:

Building Consent Number: LBP Number:

Item	Checked
Confirm tracks and base angle are fixed at 600mm centres maximum	
Confirm Firesound™ sealant is applied between tracks, angles and junctions and abutting surfaces	
Confirm no significant damage to Shaftliner™ panels (e.g., holes or fractures) otherwise rectification is required	
Confirm I Studs are screwed to base angle.	
Confirm the cavity gap between IntRwall I-studs and the wall frames is 20-36mm (refer to Architectural Drawings)	
Confirm I-studs are full length pieces and NOT spliced	
Confirm 2-layer Shaftwall system end panels are screwed at 400mm centres max.	
Confirm 2-layer Shaftwall system end panels horizontal joints are staggered 300mm.	
Confirm Shaftliner™ panels are NOT penetrated for services, etc (exceptions as per details in Figs. 19 & 20)	
Confirm plasterboard attached directly to I-studs is screwed at 400mm centres	
Confirm no in-wall services are in contact with Shaftliner™ Panels	
Confirm correct insulation is installed in the wall cavity before installation of internal plasterboard lining	
Confirm correct plasterboard and number of layers is installed for internal lining	
Confirm the perimeter of internal plasterboard lining is sealed with acoustic sealant, both sides	
RBW Memorandum completed if applicable	

All the above actions have been completed and the USG Boral IntRwall system has been installed as per USG Boral's IntRwall Systems Installation Manual.

IntRwall Installer's Signature

Builder's/Supervisor's Signature

LBP Number (where applicable)

LBP Number

INFORMATION

SUSTAINABILITY

USG Boral aims to minimise the environmental impact of its operations and to make a positive difference to the environment and communities in which it operates. Plasterboard is manufactured from abundant natural gypsum resources and 100% recycled paper liner.

HEALTH AND SAFETY

For information regarding the safe use of USG Boral products and accessories please refer to instructions on the product packaging or contact your local USG Boral Sales Office for a current copy of the Material Safety Data Sheet.

TECHNICAL ENQUIRIES 0800 USGBORAL FOR NZ

USG Boral provides technical advice to Builders, Architects, Contractors, Engineers, Regulators and Home Owners throughout New Zealand.

Our friendly team can offer both practical and design input at all levels of the plasterboard industry. Start your next project on the right track by contacting USG Boral weekdays
8.30am - 5.00pm on 0800 USGBORAL (0800 874 267).

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South Island	(03) 595-1542

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This Technical Information Guide is intended to provide general information and should not be used as a substitute for professional advice. There are many variables that can influence construction projects which affect whether a particular construction technique is appropriate. Before proceeding with any project we recommend you obtain professional advice to ascertain the appropriate construction techniques to suit the particular circumstances of your project having regard to the contents of this Installation Manual. We recommend you use qualified tradespersons to install this system.

The technical information contained in this manual was correct at the time of printing. Building systems, details and product availability are, subject to change. To ensure the information you are using is current, USG Boral recommends you review the latest building information available on the USG Boral website. For further information contact your nearest USG Boral Sales Office.

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