

PROMATECT®-100X

Next Generation Fire Protective Board



AS1530.4:2014
APPROVED

PRODUCED IN
AUSTRALIA

Fire Safety Made Easy

PROMATECT®-100X

Discover the new way to build fire safe compartmentation with Promat.

PROMATECT®-100X is an innovative high performing fire protective board, specifically designed for the fire compartmentation in buildings, such as partitions and ceilings, when high fire protection performance is required.

PROMATECT®-100X is a fire resistant product, made of sulphates and calcium silicate PROMAXON®, based on PromaX® exclusive technology, for fire rated ceiling membranes and metal stud walls. PROMATECT®-100X has an intended life time of at least 25 years for internal and semi-exposed applications and is extremely easy to maintain and repair.

Mechanical stability, long durability, easy to score and snap, light-weight and excellent fire behaviour are the main characteristics of PROMATECT®-100X.

Appearance

PROMATECT®-100X comes with a blue smooth surface finish on both front and back sides. The board has tapered edges on its longitudinal sides and square edges on its transverse sides.

Health & Safety

Refer to the PROMATECT®-100X safety datasheet.

Application

Fire resistant walls and ceilings for fire compartmentation of buildings.

Surface Finish

Smooth glass fibre reinforced blue facer on both sides suitable for accepting most architectural finishes.



Product Technical Specifications

Dimensions and tolerances

Dimensions:

- Thickness: 22 mm
- Width x Length: 1200 x 2400 mm

Board tolerances:

- Thickness: $\pm 0.5\text{mm}$
- Length: $\pm 5\text{mm}$
- Width $\pm 3\text{mm}$
- Squareness: 2.5 mm/m

Compliance authority

Tested and assessed to AS1530.4:2014

Physical properties

Density (EN 12467):

840 kg/m³ $\pm 10\%$

Perpendicular tensile strength (EN 319):

0.91 Mpa for the 13 mm boards
0.97 Mpa for the 20 mm boards

Parallel tensile strength (EN 789):

Longitudinal: > 1.6 MPa
Transversal: > 1.4 MPa

Compressive strength (EN 789):

Longitudinal: > 6 MPa
Transversal: > 6 MPa

Longitudinal bending strength

(EN 12467:2016 - cond. at 105°C): > 4.5 MPa

Bending flexural strength

(EN 12467:2016 - cond. at 105°C): > 2.5 MPa

Modulus of elasticity

(EN 12467:2016 - cond. at 40°C):
Longitudinal: > 2000 MPa (12 mm)
Transversal: > 2000 MPa (12 mm)

Fire Hazard Properties:

- **NCC C2D10 (6) (a)** -
Non-combustible building elements
- **AS 5637.1: 2015** - Group 1
- **New Zealand Building Products Spec: 8.1.1.2 (d)** -
A1 to BS-EN13501-1:2018
- **NZBC C/VM2** - Group 1-S



Handling, cutting and fixing

Handling

The boards shall be horizontally stacked on a pallet or gluts at maxium 600mm centres on a flat surface in a dry and ventilated space.

The boards shall always be moved from the stack by two persons and then be transported vertically.

Cutting

- Use Score and Snap technique.
- Power tools with dust extraction:
Circular saw with a tungsten carbide tipped sawblade.
A vacuum cleaner is recommended while cutting especially with powered saws. As an additional safety precaution, always wear eye, ear and dust protection when using power tools of any type. While working with power saws, the following important points should be observed:
- Ensure that the boards to be cut are continuously supported on either side of the cut.
- A straight edge should be clamped in position to guide the cutting operation.

- Care must be taken to ensure the tool remains against the straight edge during the cutting operation.
- The cutting rate should be such that the blade is not labouring or over-heating.

Fixing

- Generally screwed or stapled. Refer to the specific application pages for further fixing requirements for the system to be installed



Finishing

PROMATECT®-100X walls and ceilings can be set and finished using a jointing compound such as Siniat Mastabase. Apply in accordance with the manufacturer's recommendations. Refer to specific system info for further requirements

If a plaster skim coat is required, apply a sealing coat of diluted universal primer/PVA (e.g. 1 part PVA and 5 parts water). Sealing coat should be allowed to dry thoroughly (approximately 24 hours). Apply bonding coat (3 parts PVA and 1 part water).

Apply plaster skim (3mm thick) while the bonding coat is wet and tacky

Tiling

PROMATECT® 100X boards can be tiled, provided due consideration is given to the installation of the boards and the requirements for additional framing prior to applying the tiles.

It should be noted that PROMATECT®-100X board application systems are used for their fire resistance performance.

Therefore placing additional weight on an application system, such as ceramic or marble tiling for instance, can have significant effect on the

overall fire resistance performance of the system.

As such, additional framing is required for partition systems etc which bear the weight of tiles in order to maintain the fire resistance performance.

Care must be taken in sealing the boards thoroughly before applying any tile adhesive as the boards' high suction rate will accelerate the setting time of the tile adhesive.

Painting

Painting systems and methods are detailed in Australian Standard AS/NZS 2311, Guide to the painting of buildings. For PROMATECT® -100X apply the gypsum plasterboard recommendations from the standard

If painting PROMATECT® -100X, a Three Coat Paint System must be applied to achieve the best finish. This consists of a sealer undercoat followed by two top coats. The quality of the paint and how it is applied have a large effect on the finished appearance of the PROMATECT® -100X

Two coat paint systems are not nominated by AS/NZS 2311 as they often do not meet the customer's expectations by showing up joints through texture and sheen variation.

The final inspection of a PROMATECT® -100X wall or ceiling occurs after painting. AS/NZS 2589 and AS/NZ 2311 recommend that visual inspection of finished surfaces of PROMATECT® -100X be carried out in ordinary lighting, sighting from a distance of at least 1.5 metre from the surface. If differences of appearance are not clearly discernible the finish is usually considered acceptable.

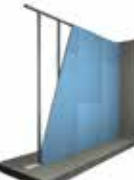
To achieve a good quality painted finish, the following recommendations in addition to the three-coat paint system should be followed:

- Apply paint according to the manufacturer's recommendation
- Avoid spraying or brushing methods which require advance application techniques
- Choose white or light colours, flats for ceilings and matt or low sheen paints for wall
- Select a Level 5 Finish when using medium to high gloss or dark coloured paints, or in areas of glancing light in accordance with AS2589. These paints highlight any minor imperfections in the PROMATECT® -100X and make the joints more visible.



Wall Systems

Summary of the solutions for vertical compartmentation elements using PROMATECT®-100X boards, tested and assessed in accordance with AS1530.4: 2014

Partition Type	Fire Resistance Performance (FRL)	Board Layers & Thickness	Minimum Partition thickness	Approval Number	Page Number
	-/120/120	1 x 22mm (each side)	108mm	CSIRO FCO3566	8
	-/240/240	2x22mm (each side)	180mm	JH FRT250099	14
	-/120/120	2x22mm	44mm	JH252000	18
	-/180/180	3x22mm	66mm	JH252000	24
 	-/120/120	2x22mm (one side)	95mm	JH252000	30
	-/180/180	3x22mm (one side)	117mm	JH252000	35

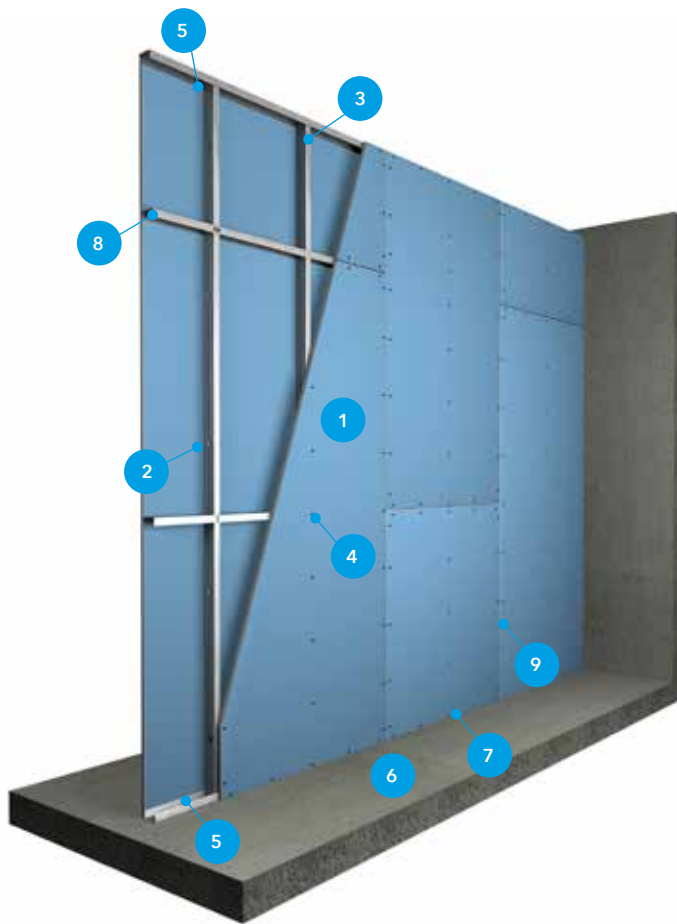
Ceiling Systems

Summary of the solutions for horizontal compartmentation elements using PROMATECT®-100X boards, tested and assessed in accordance with AS1530.4: 2014

Ceiling Type	Fire Resistance Performance (FRL)	Board Layers & Thickness	Minimum Ceiling thickness	Approval Number	Page Number
	-/120/120	1 x 22mm (each side)	136mm	JH FAS250470	42



PROMATECT® 100X - STEEL STUD WALL SYSTEMS

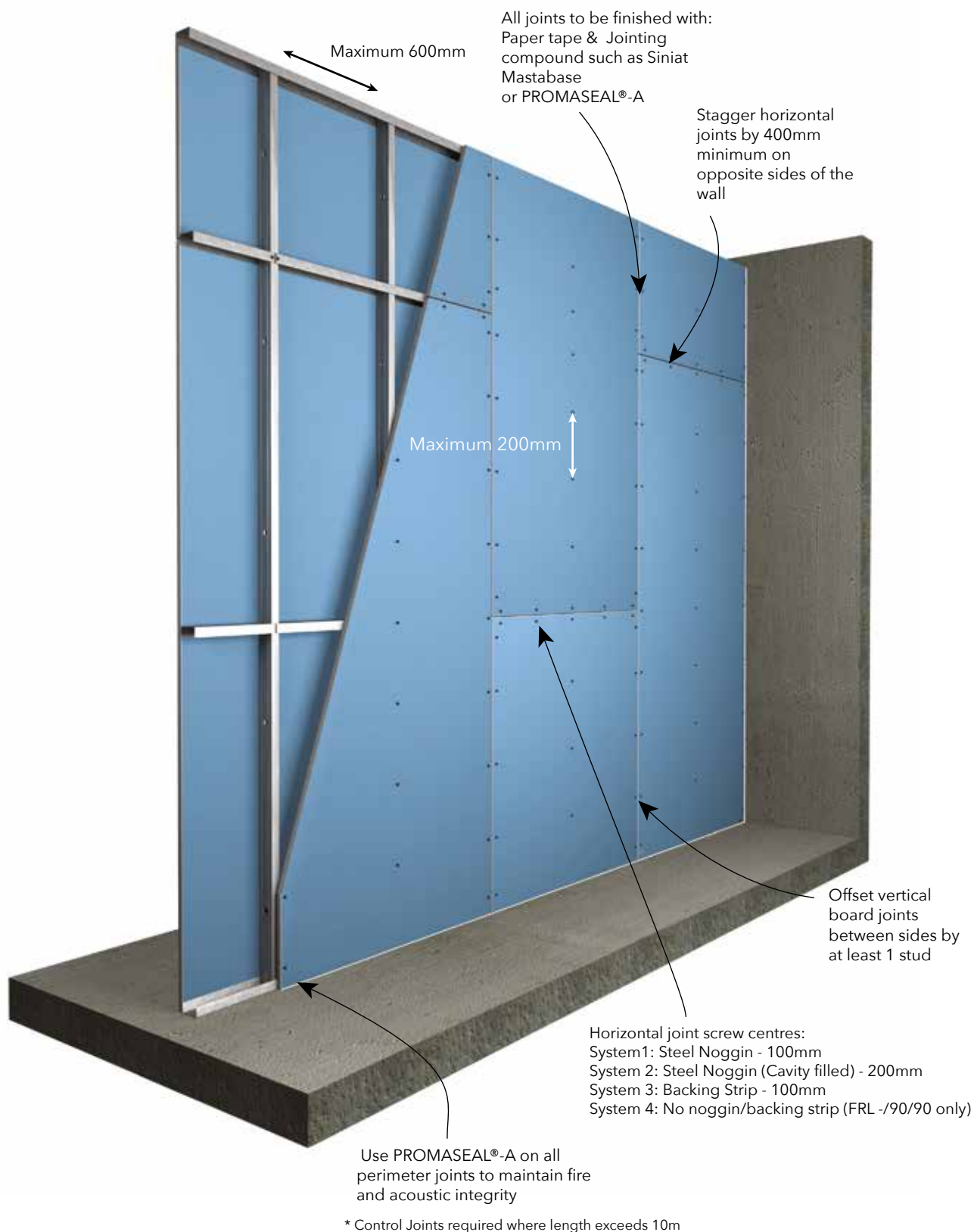


Fire Resistance	FRL	-/120/120
	Standard	AS1530.4:2014
	Approval	CSIRO FCO3566
Acoustic	$R_w (R_w + C_{tr})$	Refer to table below
	Standard	AS/NZSISO717.1
Construction	Maximum Height	4000mm
	Maximum Length	Unlimited*
	Partition Thickness	From 108mm
	Partition Mass	43kg/m ²
	Configuration	1 x 22mm on each face

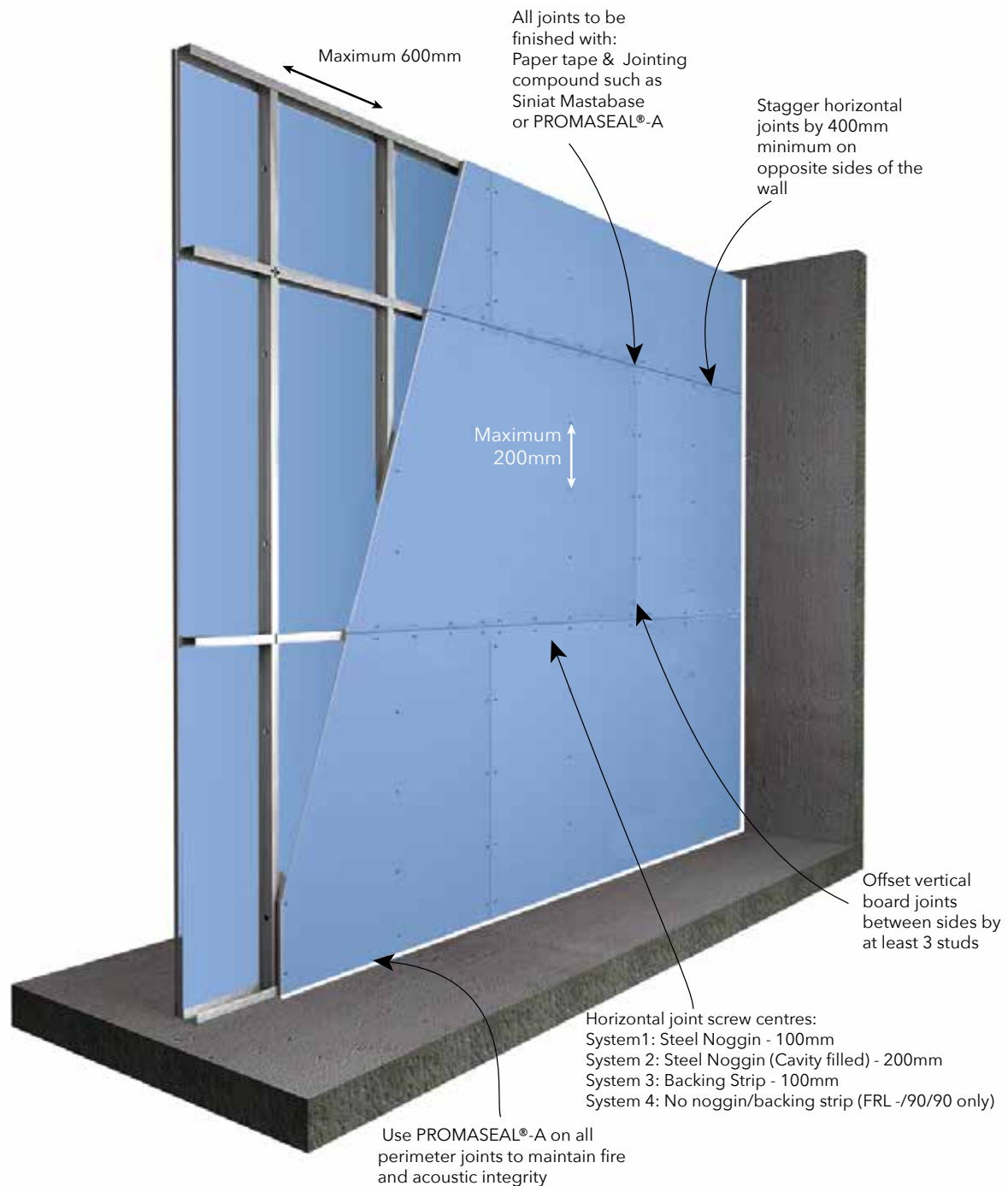
* Control Joints required where length exceeds 10m

1. PROMATECT® 100X - 22mm
2. Minimum 64 x 0.55mm BMT steel studs at maximum 600mm centres
3. Steel deflection head track to suit studs
4. 6g x 41mm plasterboard screws at 200mm centres
5. M6 x 50mm concrete screw anchors at 600mm centres
6. Concrete substrate
7. Caulk all perimeters with PROMASEAL®-A Acrylic Sealant
8. All horizontal joints to be located on steel noggings or backed by 100mm wide backing strip of PROMATECT® 100X - 22mm. Fixings at 100mm centres. For steel noggings where wall cavity is filled with min. 14kg/m³ Glass wool centres are extended to 200mm
9. All board joints sealed with either PROMASEAL® A or a jointing compound such as Siniat Mastabase

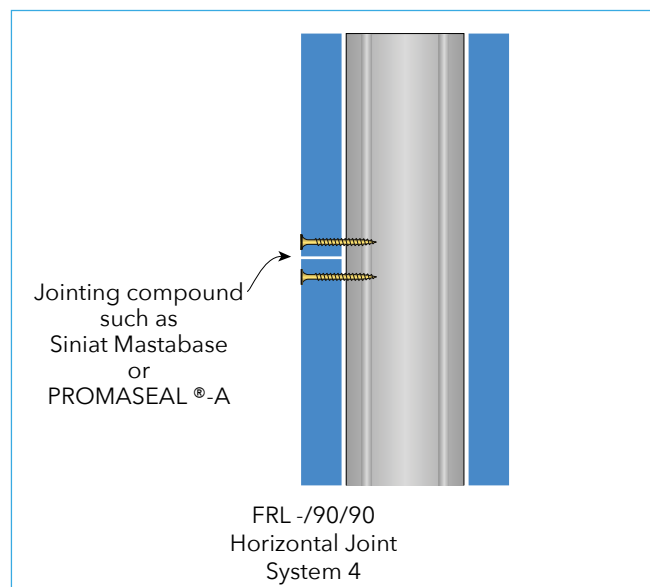
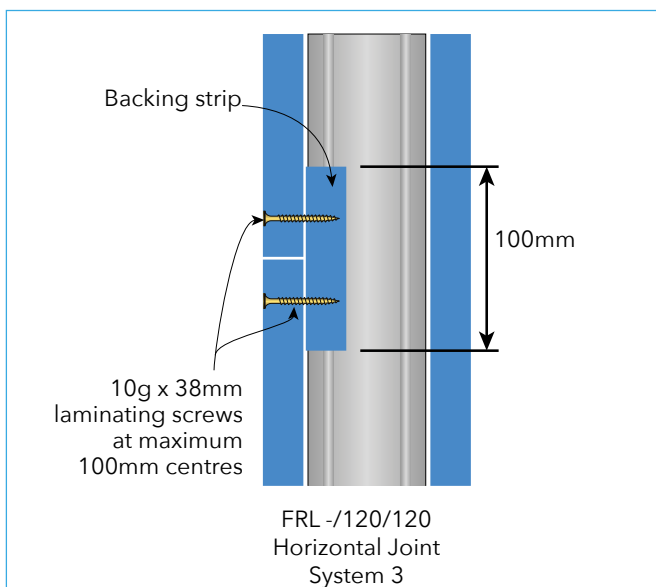
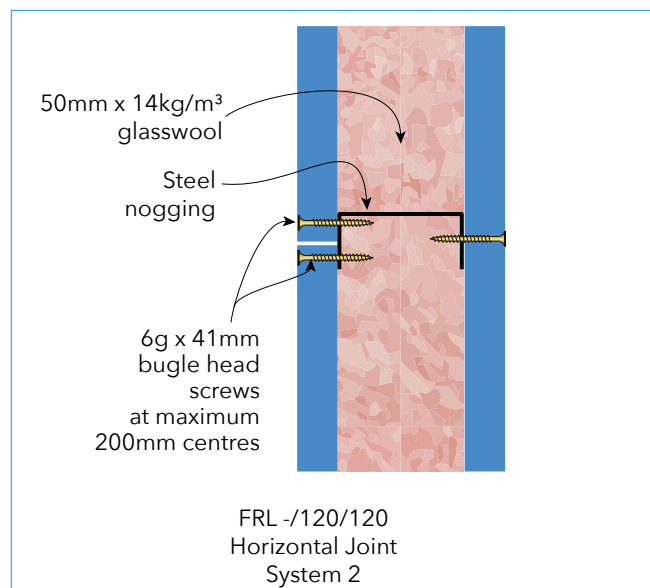
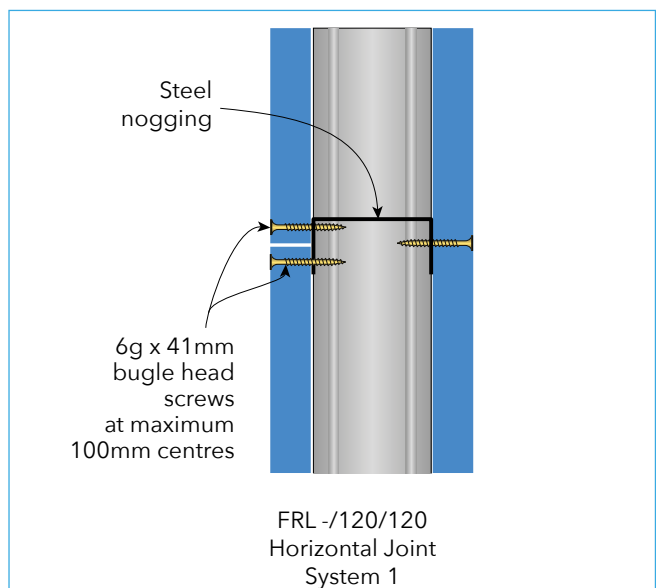
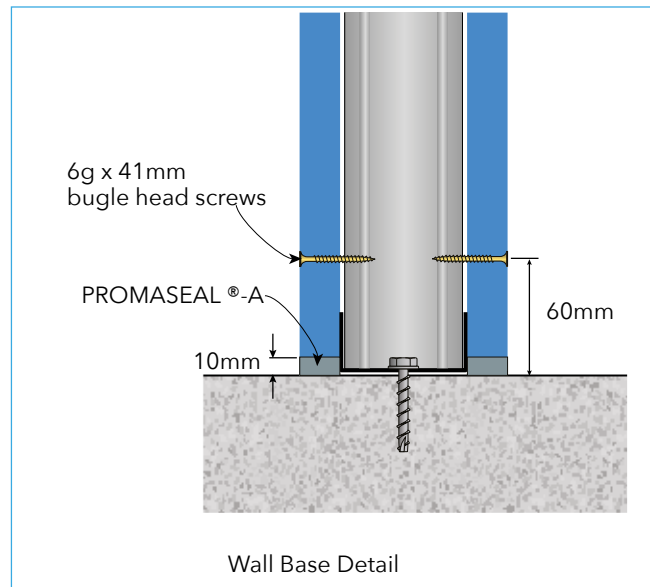
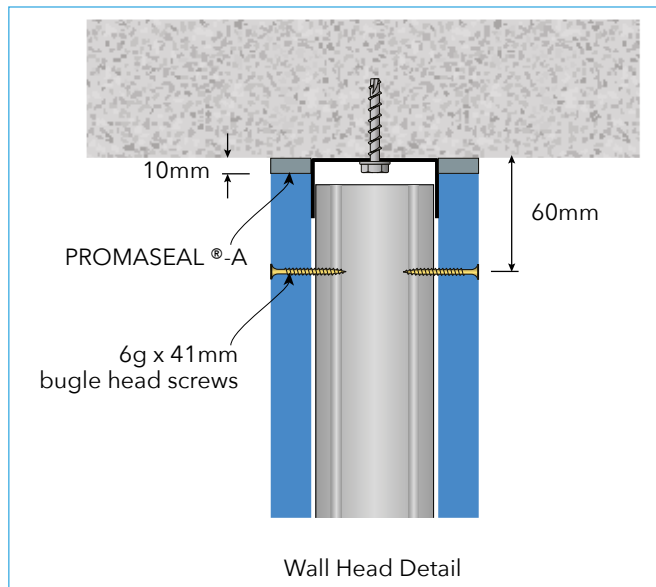
Cavity Infill	Stud Size	64mm x 0.55BMT	76mm x 0.55BMT	92mm x 0.55BMT	150mm x 0.55BMT
Nil	$R_w (R_w + C_{tr})$	43 (37)	45 (40)	47 (41)	48 (43)
Pink Partition 50mm x 32kg/m ³ R1.5	$R_w (R_w + C_{tr})$	46 (40)	48 (42)	50 (44)	51 (46)
Bradford Soundscreen 75mm x 32kg/m ³ R2.0	$R_w (R_w + C_{tr})$	n/a	48 (42)	50 (44)	51 (46)
Pink Wall Batts HD 70mm x 21kg/m ³ R2.0	$R_w (R_w + C_{tr})$	n/a	48 (42)	50 (44)	51 (46)



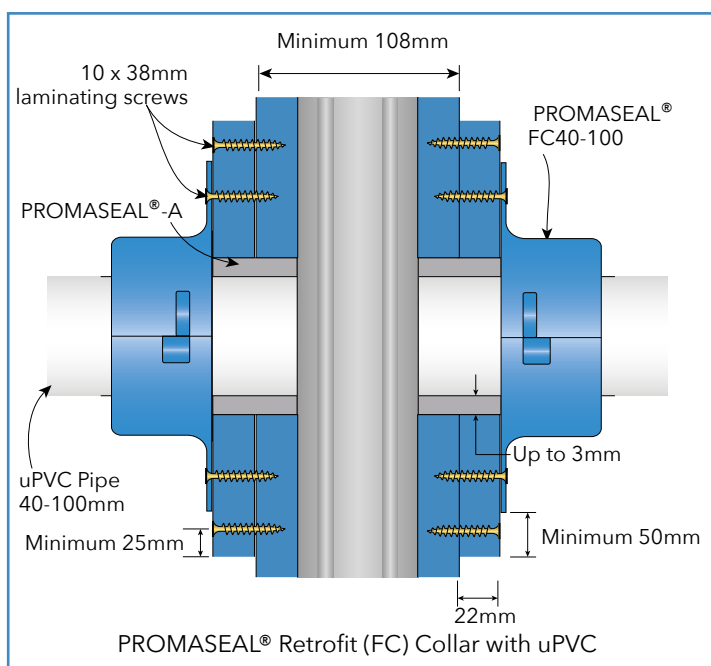
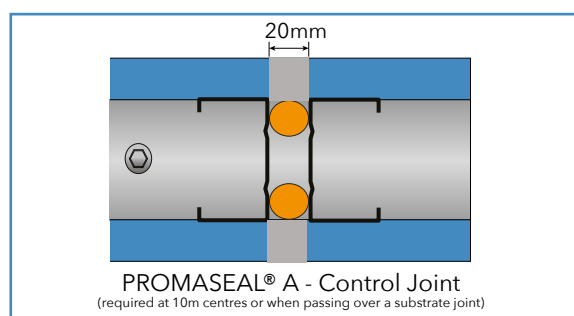
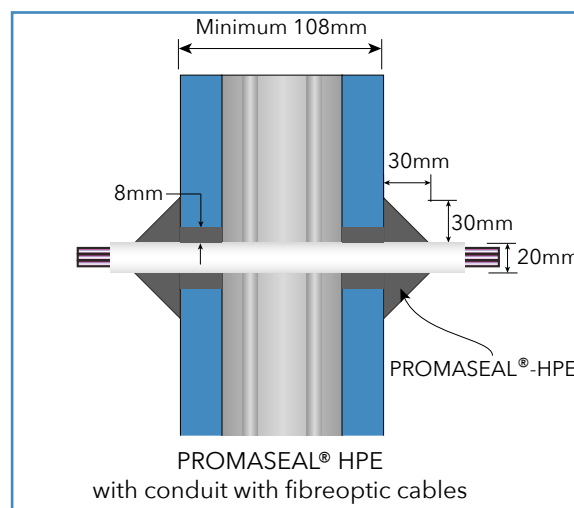
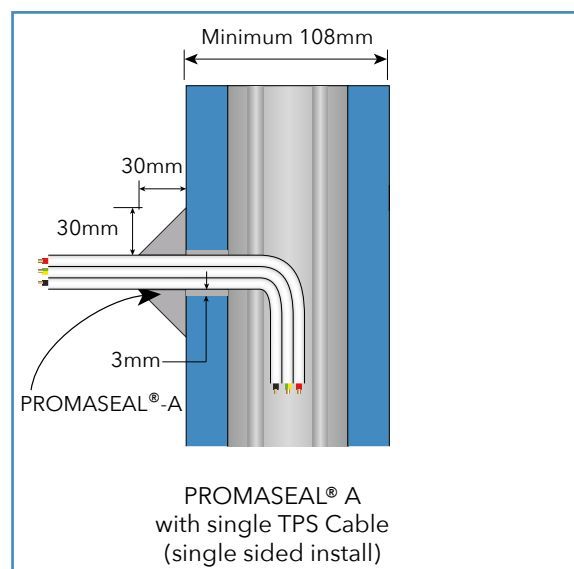
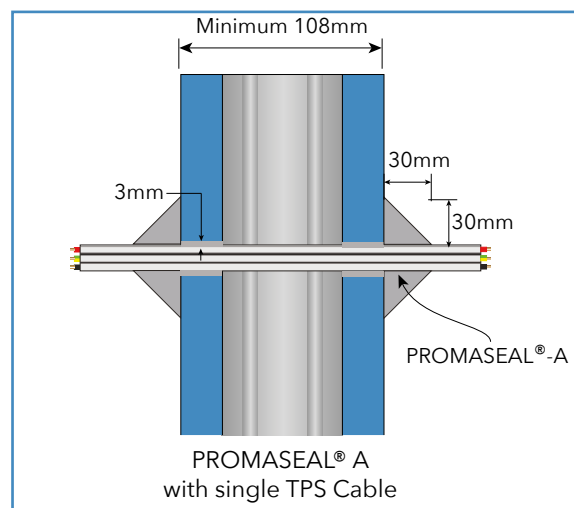
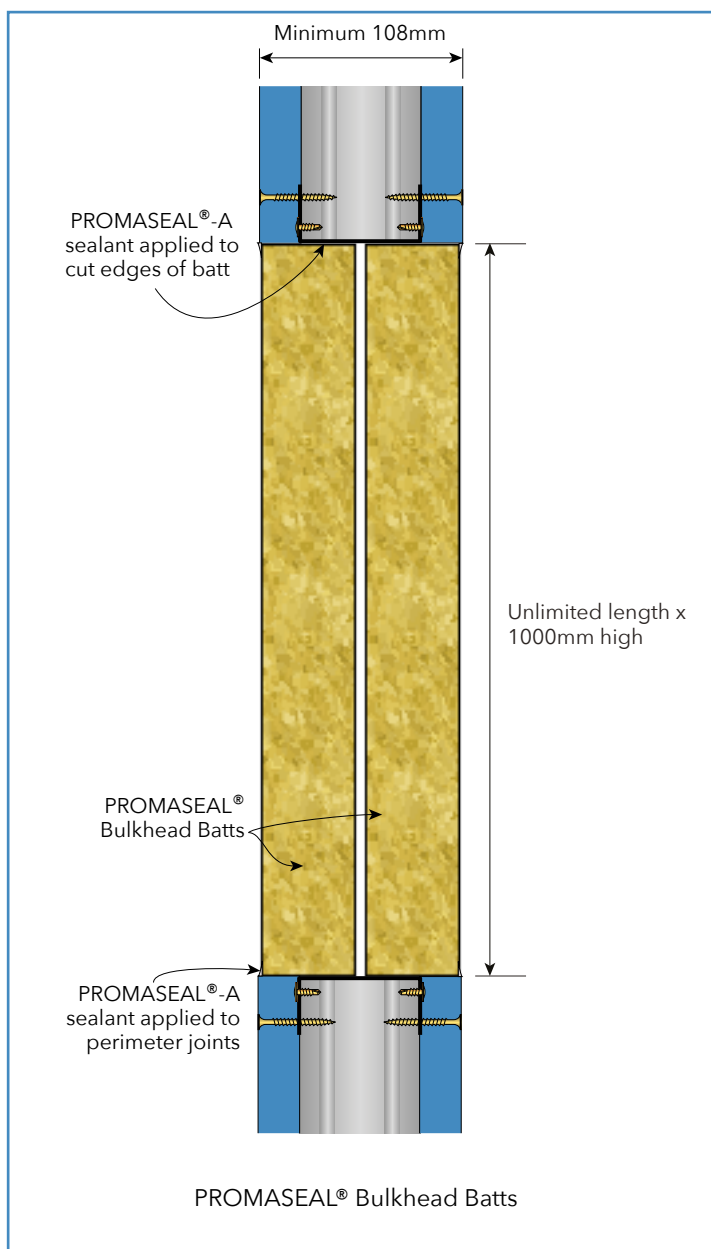
PROMATECT® 100X Stud Wall - Vertical Board Installation



PROMATECT® 100X Stud Wall - Horizontal Board Installation



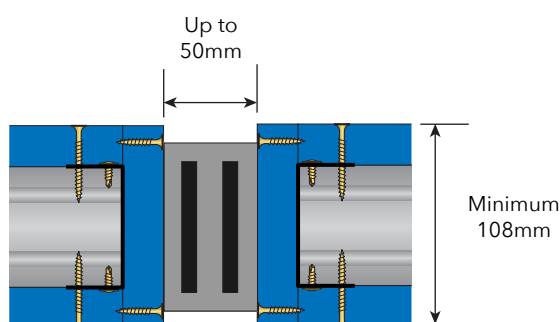
In all options, joint to be sealed with either: Jointing compound such as Siniat Mastabase or PROMASEAL®-A



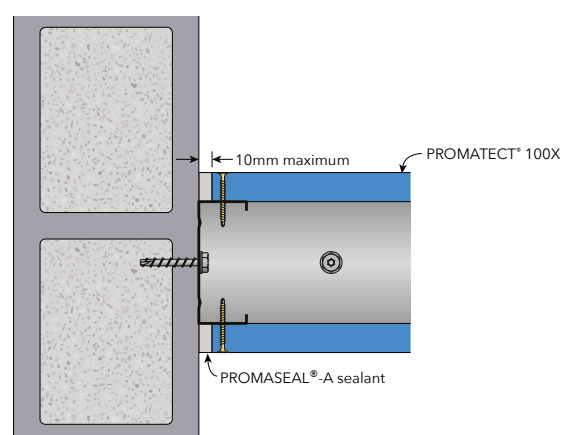
Service	Size / Number	Protection Method	FRL
uPVC Pipe	40mm	PROMASEAL® FC Collar + Wall thickening	-/120/120
uPVC Pipe	50mm	PROMASEAL® FC Collar + Wall thickening	-/120/120
uPVC Pipe	65mm	PROMASEAL® FC Collar + Wall thickening	-/120/120
uPVC Pipe	80mm	PROMASEAL® FC Collar + Wall thickening	-/120/120
uPVC Pipe	100mm	PROMASEAL® FC Collar + Wall thickening	-/120/120
HDPE Pipe	40mm	PROMASEAL® FC Collar + Wall thickening	-/120/120
TPS Cable	1	PROMASEAL® A - 30x30mm cone	-/120/120
TPS Cable (One face only)	1	PROMASEAL® A 30x30mm cone	-/120/120
uPVC Conduit with Optic Fibre cables	20mm conduit with 3 cables	PROMASEAL® HPE	-/120/120
Vertical Joint*	20mm	PROMASEAL® A	-/120/120
Vertical Joint	Up to 50mm	PROMASEAL® Fyrestrip	-/120/120
Opening with services** or blank	1000mm high x unlimited length	PROMASEAL® Bulkhead Batts	-/120/120

* Control joints required when wall length exceeds 10m or where it passes over an existing joint in the substrate

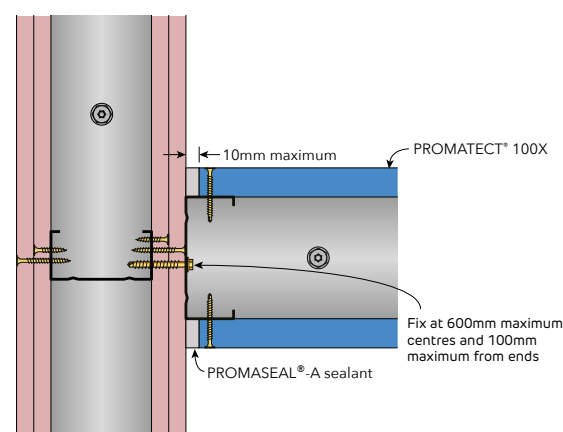
** For full details on approved services refer to PROMASEAL® Bulkhead Batt installation guide or approvals



PROMASEAL® Fyrestrip



Blockwall T-Junction



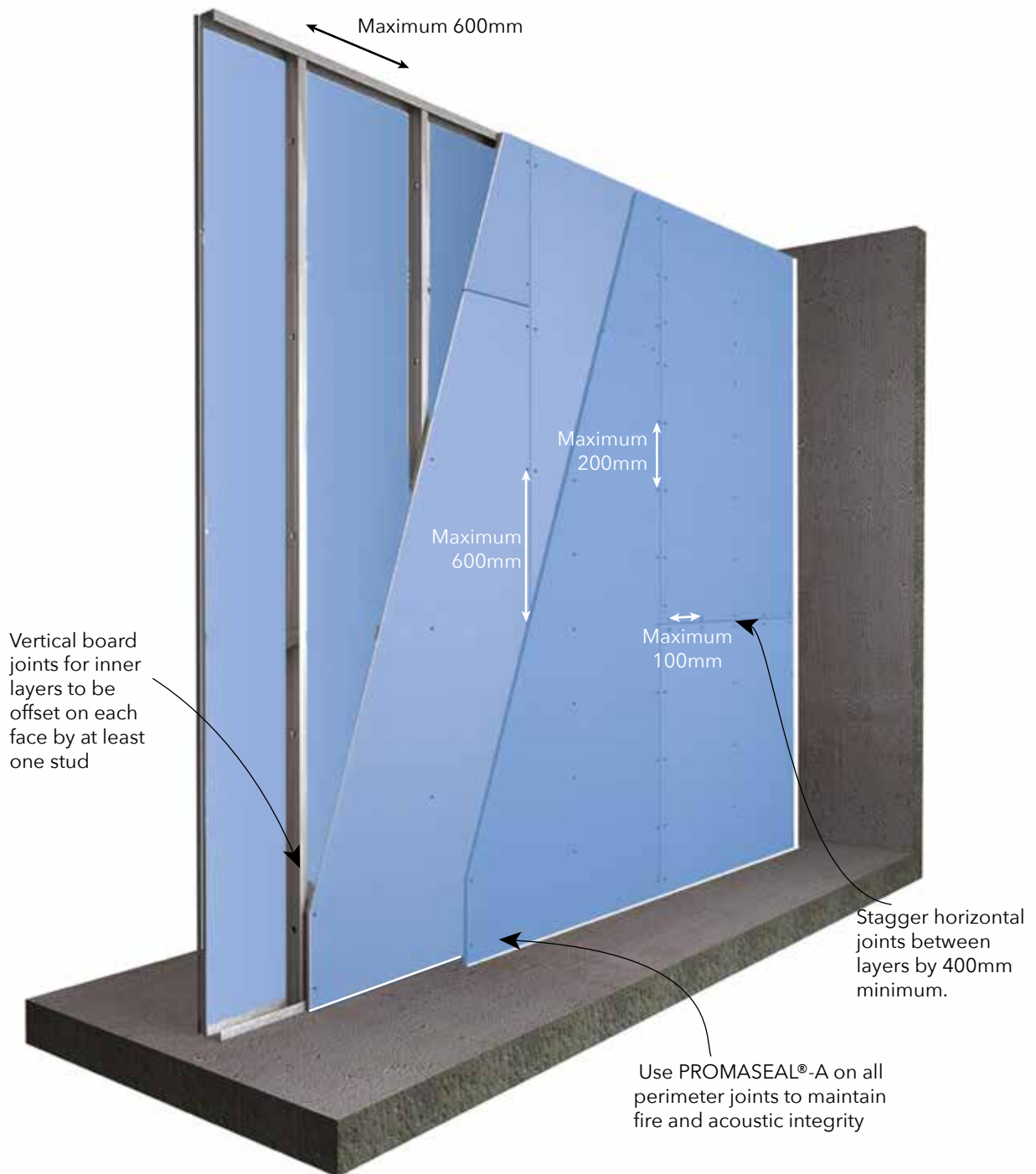
Plasterboard T-Junction



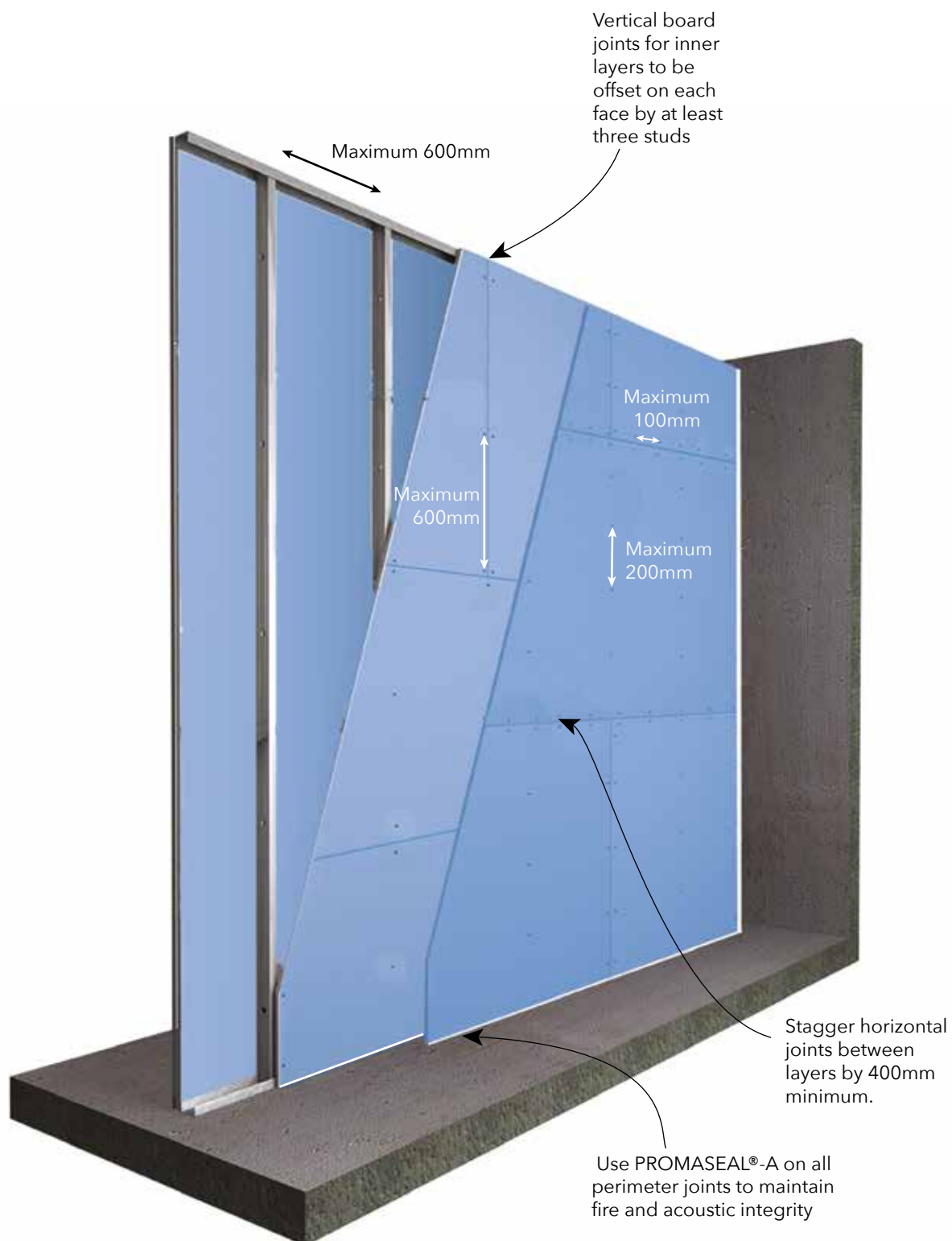
Fire Resistance	FRL	-/240/240
	Standard	AS1530.4:2014
	Approval	JH FRT250099
Acoustic	$R_w (R_w + C_{tr})$	Refer to table below
	Standard	AS/NZ ISO717.1
Construction	Maximum Height	4000mm
	Maximum Length	Unlimited
	Partition Thickness	From 180mm
	Partition Mass	85kg/m ²
	Configuration	2 x 22mm on Each Face

1. PROMATECT® 100X - 22mm. Two layers on each face
2. Minimum 92 x 0.55mm BMT steel studs at maximum 600mm centres
3. Steel deflection head track to suit studs
4. 6g x 41mm plasterboard screws at 600mm centres
5. 10-15 x 65mm plasterboard screws at 300mm centres
6. M6 x 50mm concrete screw anchors at 600mm centres
7. Concrete substrate
8. Caulk all perimeters with PROMASEAL® A Acrylic Sealant

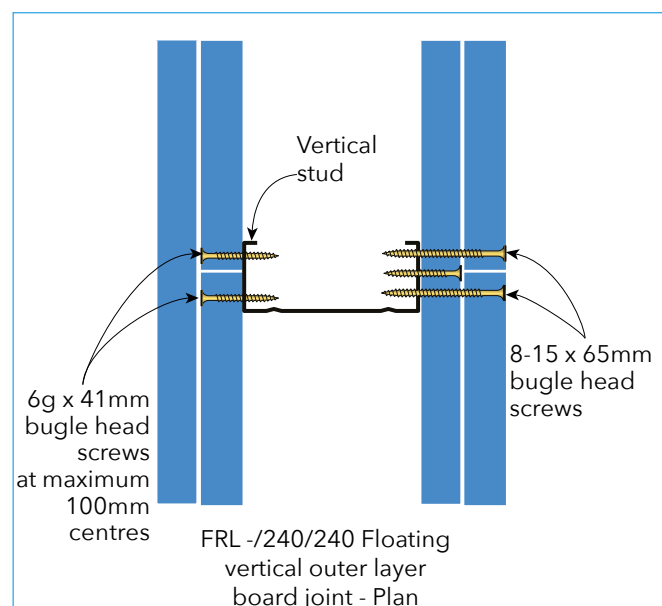
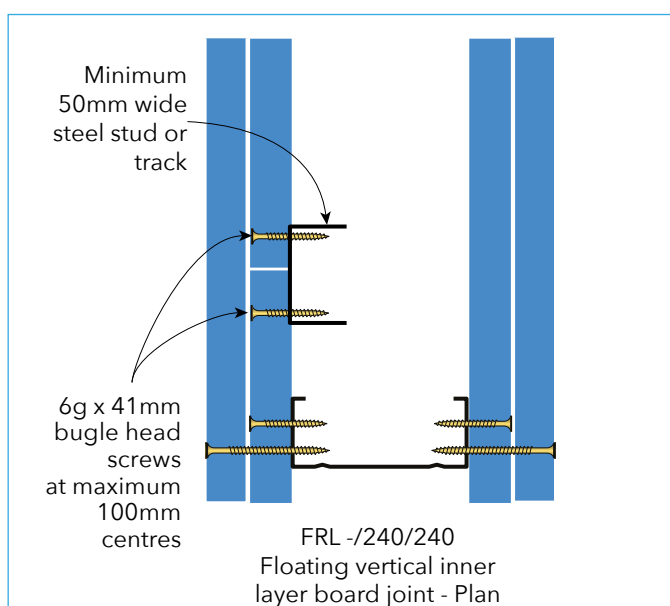
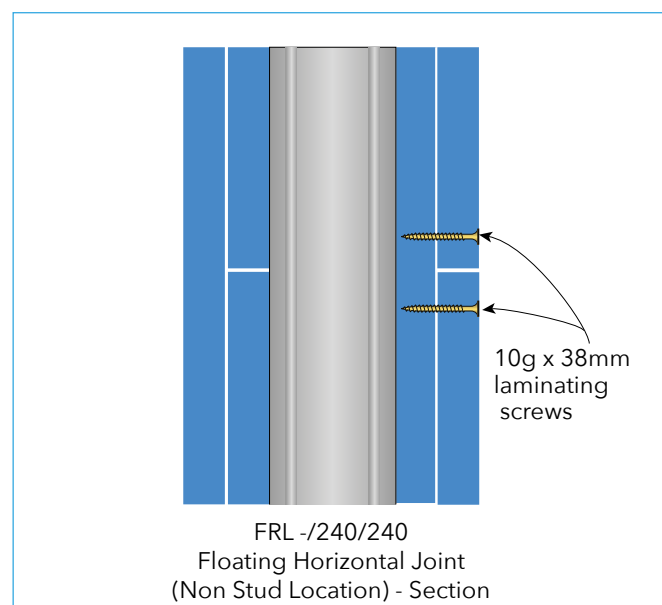
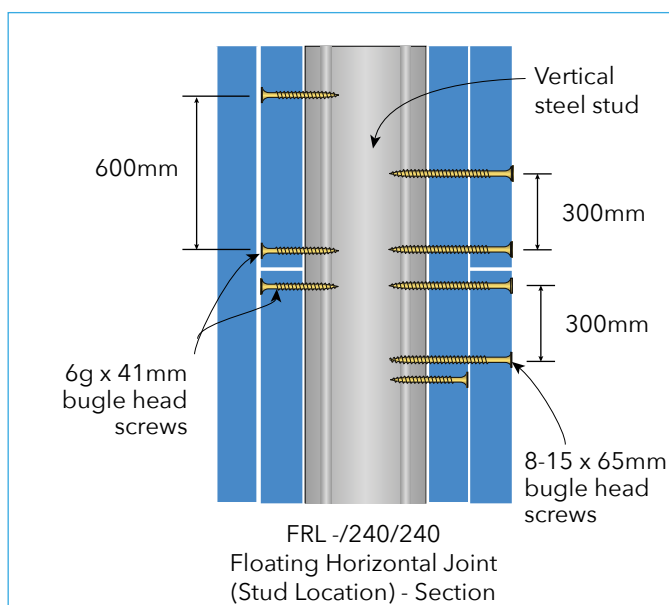
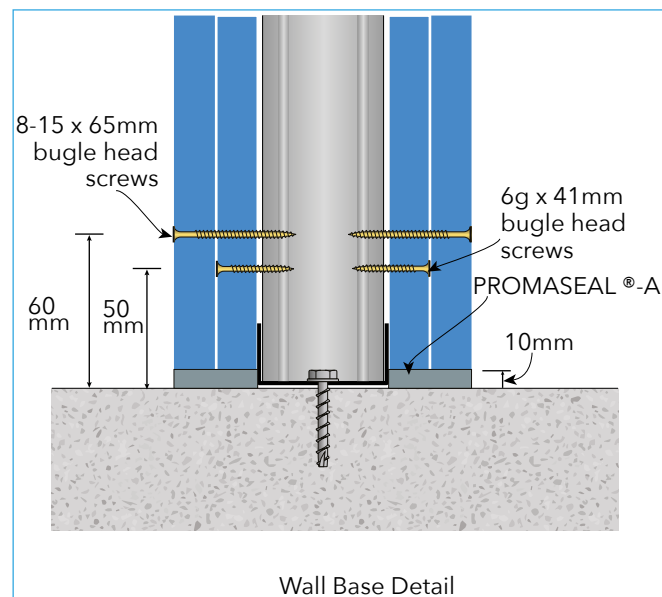
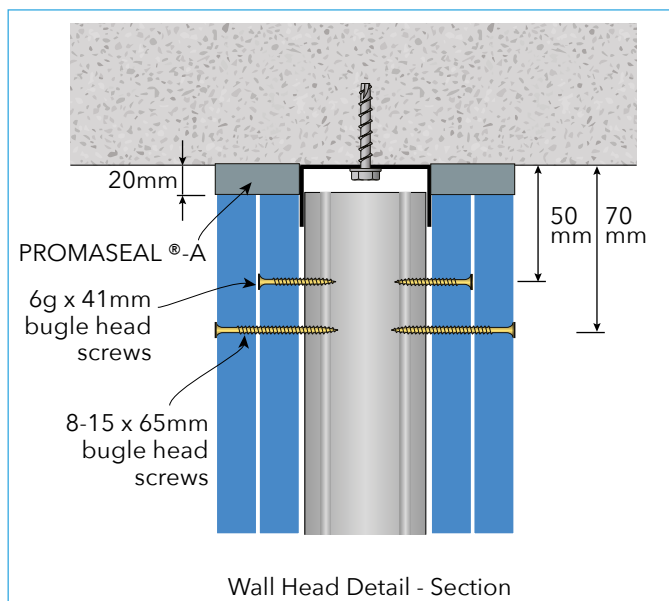
	Stud Size	92mm x 0.55BMT	150mm x 0.75BMT
Cavity Infill			
Nil	$R_w (R_w + C_{tr})$	59 (53)	58 (53)
Pink Partition 50mm x 32kg/m ³ R1.5	$R_w (R_w + C_{tr})$	61 (57)	59 (56)
Bradford Soundscreen 75mm x 32kg/m ³ R2.0	$R_w (R_w + C_{tr})$	61 (57)	59(56)
Pink Wall Batts HD 70mm x 21kg/m ³ R2.0	$R_w (R_w + C_{tr})$	61 (57)	59 (56)

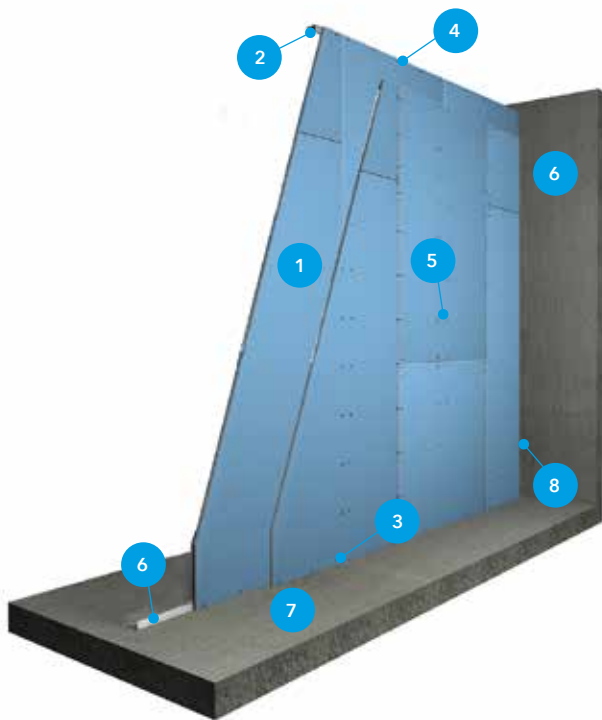


PROMATECT® 100X Stud Wall - Vertical Board Installation



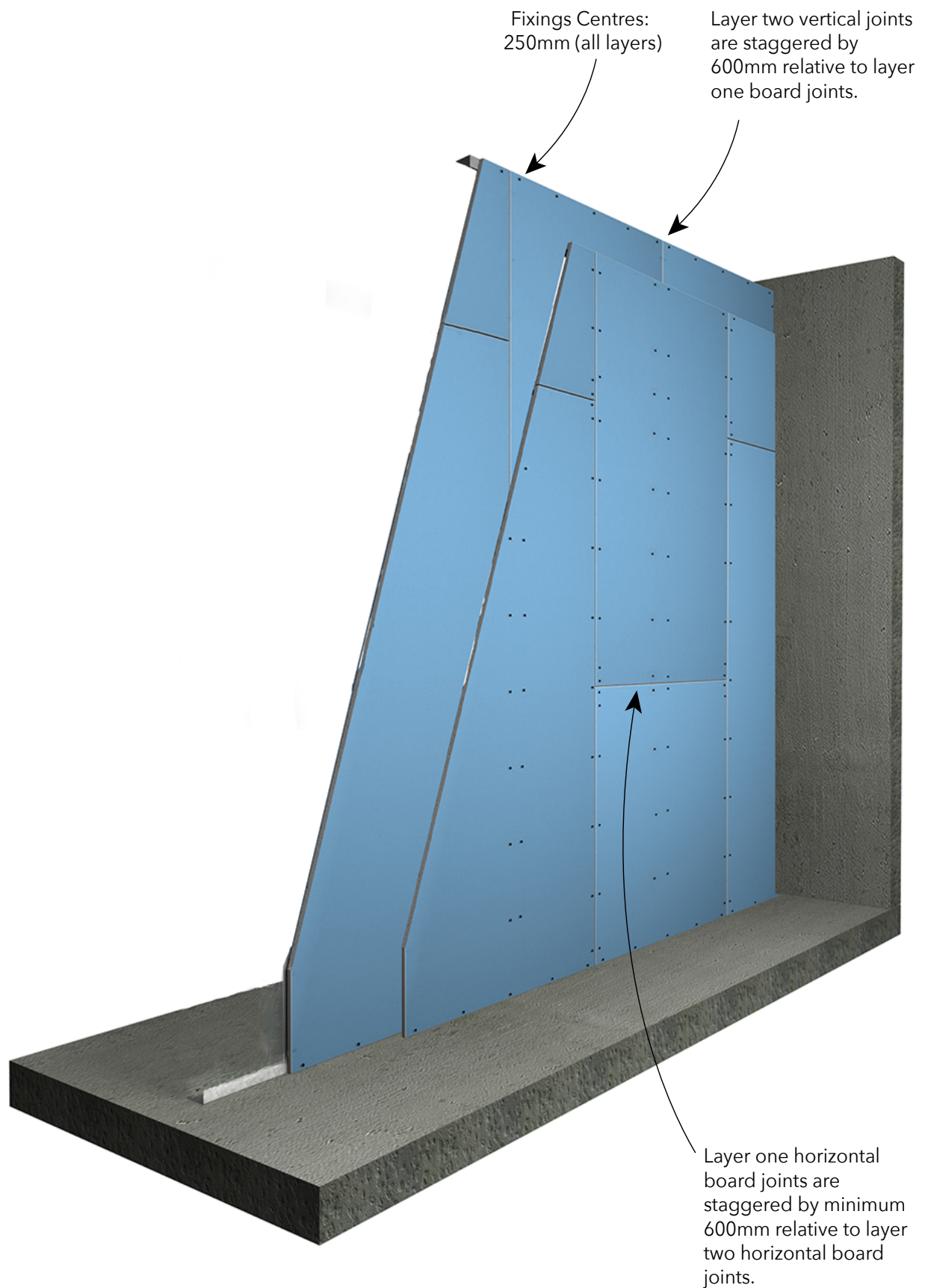
PROMATECT® 100X Stud Wall - Horizontal Board Installation



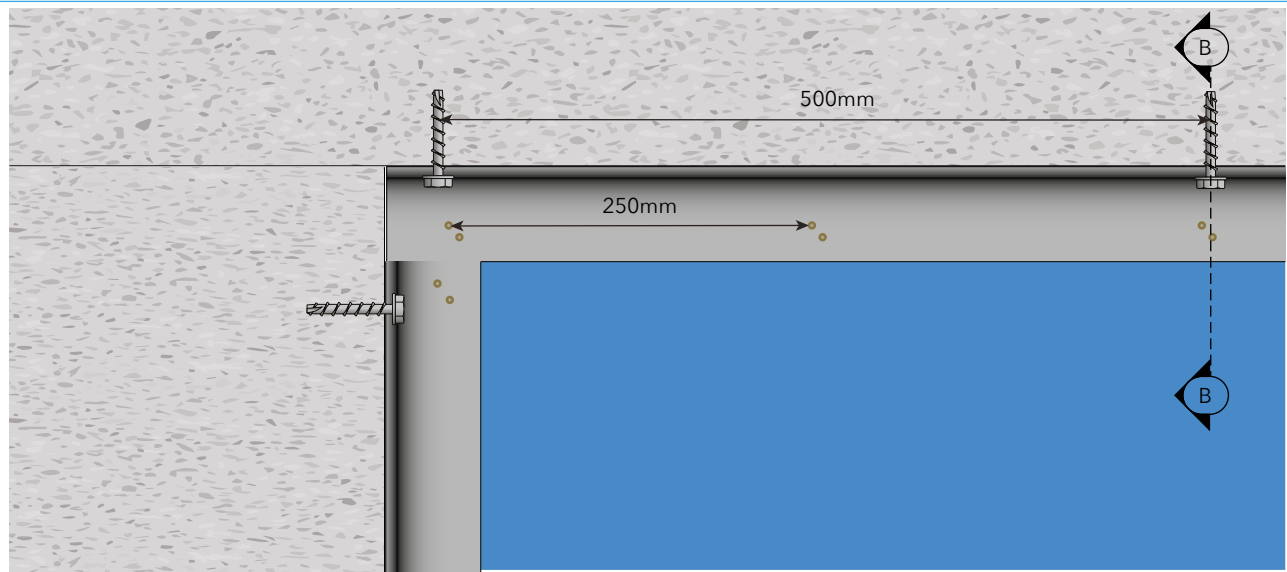


Fire Resistance	FRL	-/120/120
	Standard	AS1530.4:2014
	Approval	JH 252000
Acoustic	$R_w (R_w + C_{tr})$	33 (32)
	Standard	AS/NZ ISO717.1
Construction	Maximum Height	5000mm
	Maximum Length	Unlimited
	Partition Thickness	44mm
	Partition Mass	40kg/m ²
	Configuration	2 x 22mm

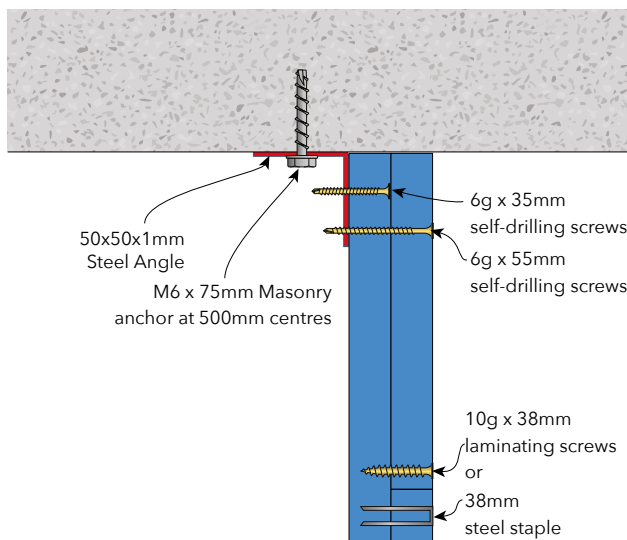
1. PROMATECT® 100X - 22mm. Two Layers
2. Minimum 30 x 20 x 1mm steel angle fixed at maximum 500mm centres. Angle can be fixed on either face. (If angle placed between layers then 30 x 20 x 0.55mm required)
3. 55mm x 6g self tapping screws at 250mm centres
4. 35mm x 6g self tapping screws at 250mm centres
5. 10g x 38mm laminating screw or 38mm staple at 300mm centres vertically and 400mm centres horizontally
6. M6 x 75mm masonry anchors at 500mm centres
7. Concrete substrate
8. Caulk all perimeters with PROMASEAL® A Acrylic Sealant



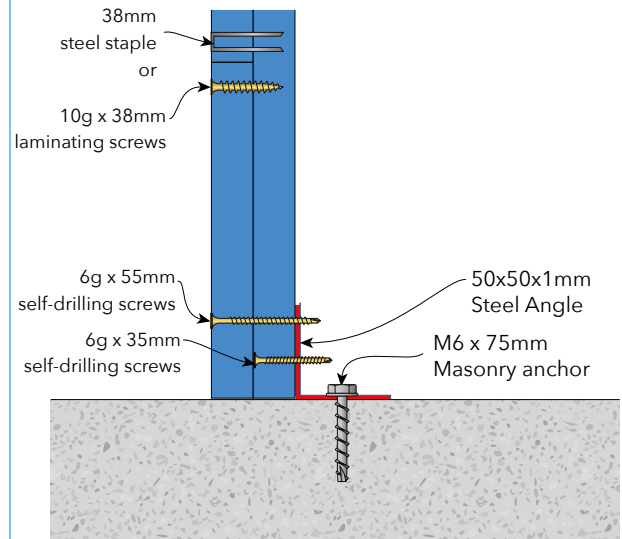
PROMATECT® 100X Solid Wall - Two Layer Installation



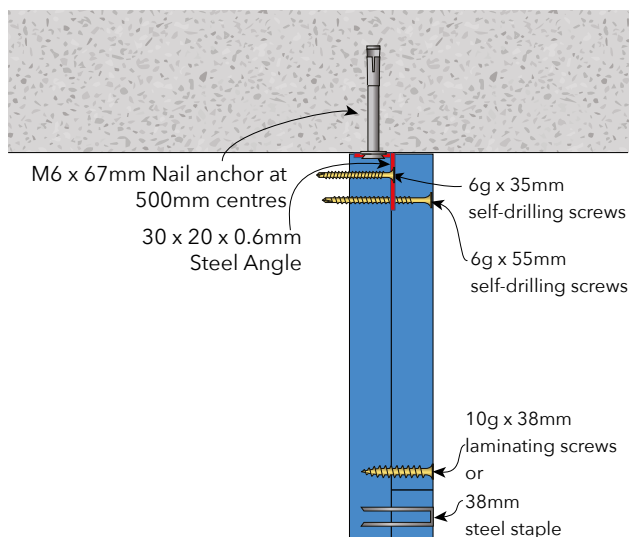
Wall & Head Angle Installation - Elevation



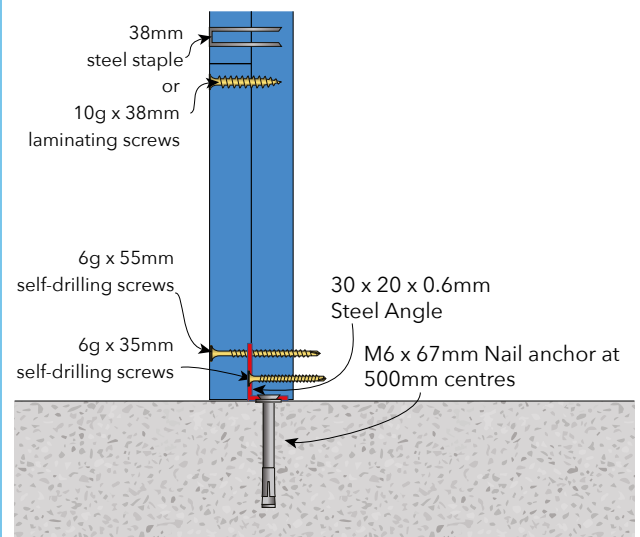
Wall Head Detail - Section B-B



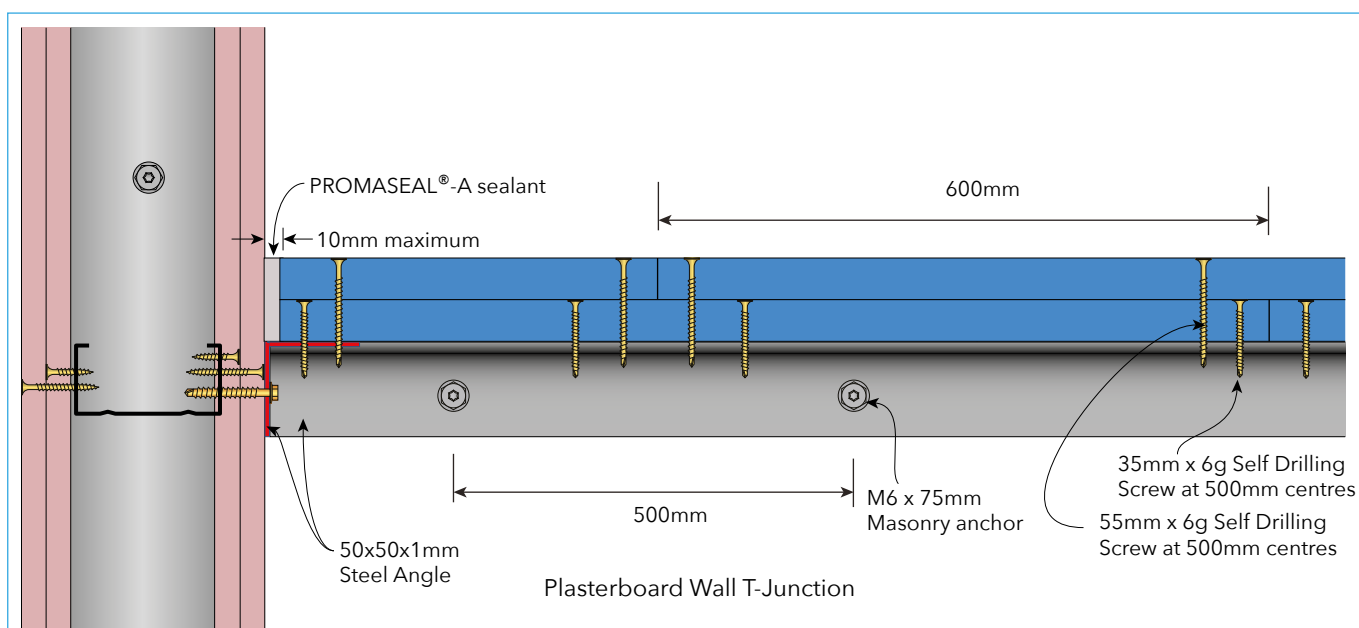
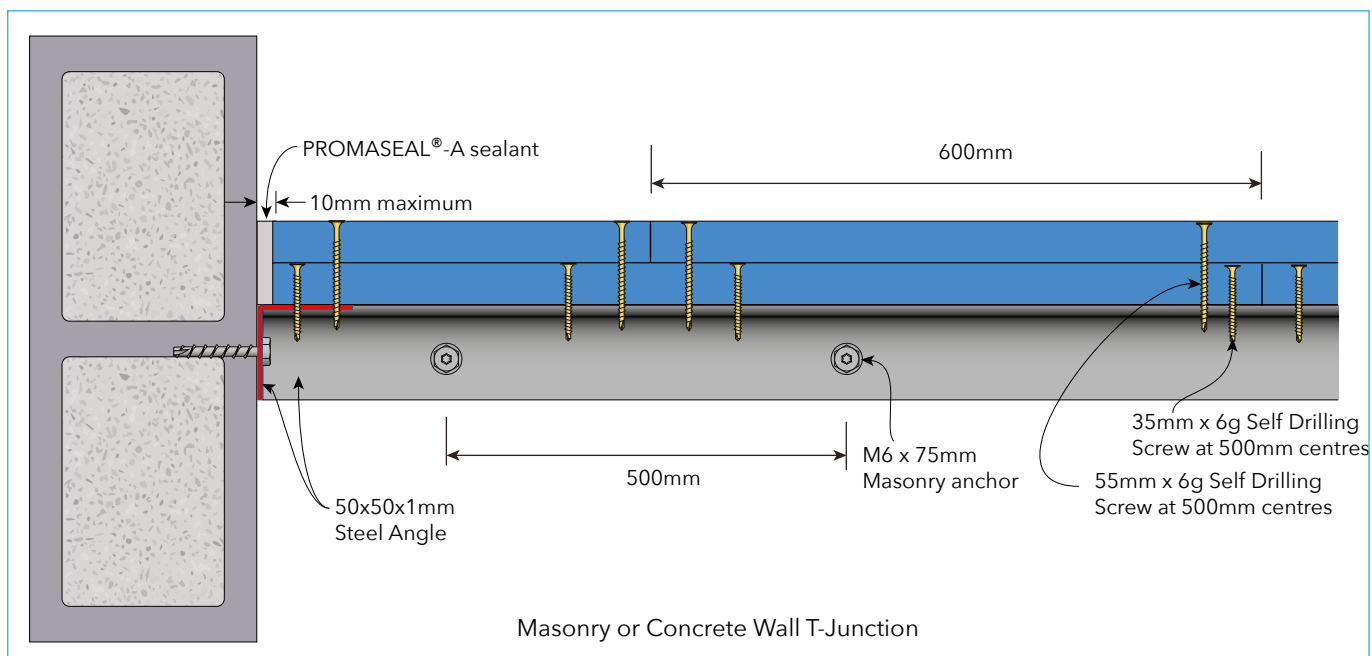
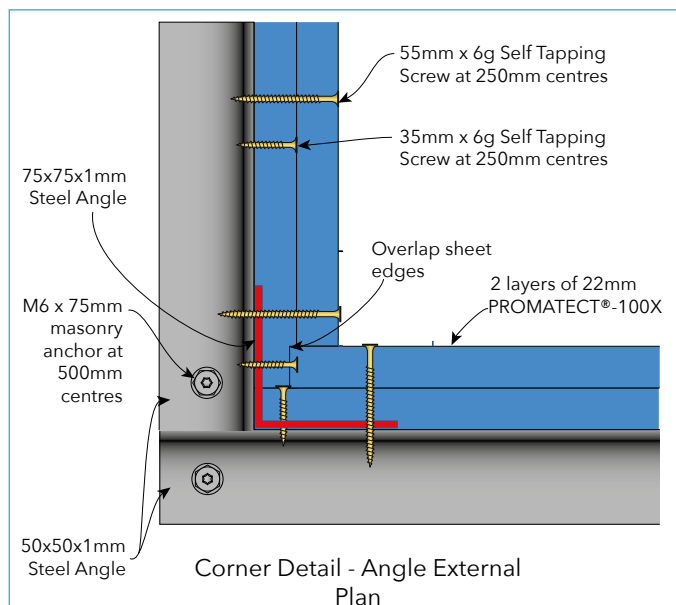
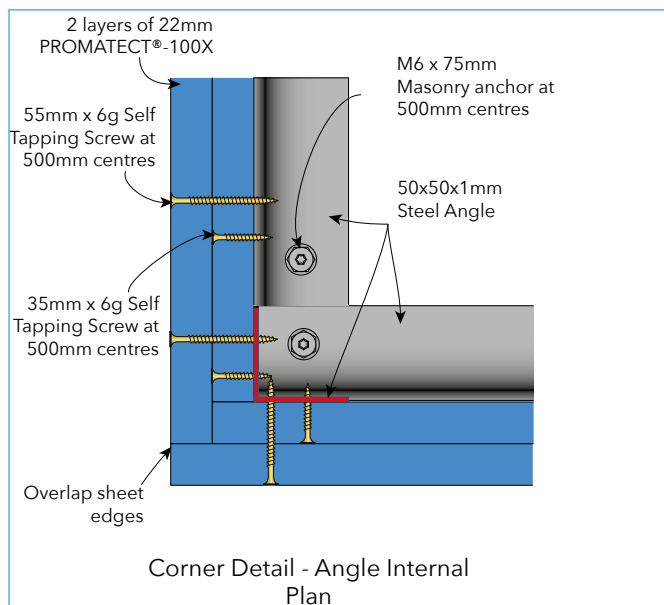
Wall Base Detail - Section

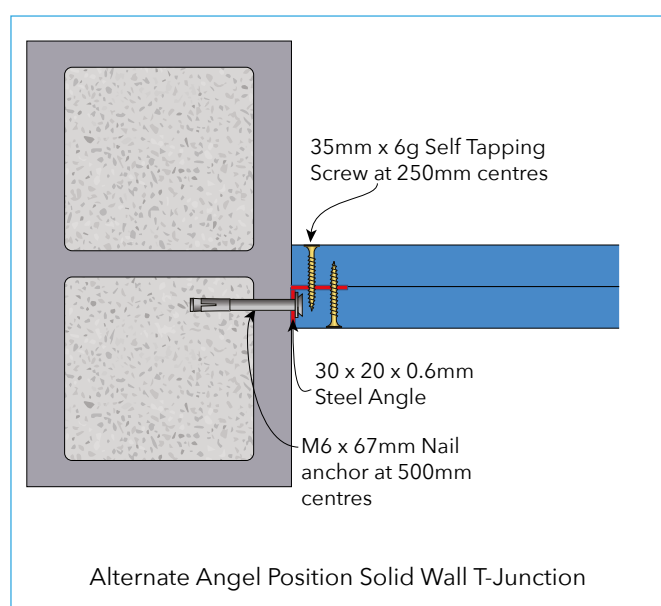
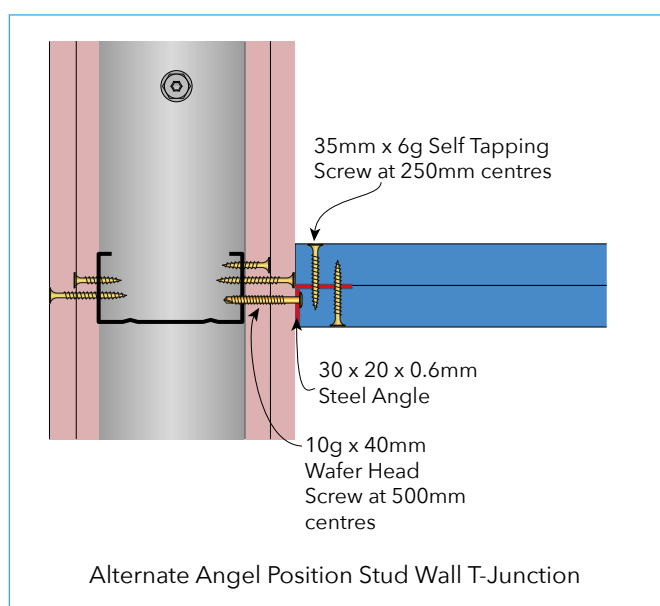
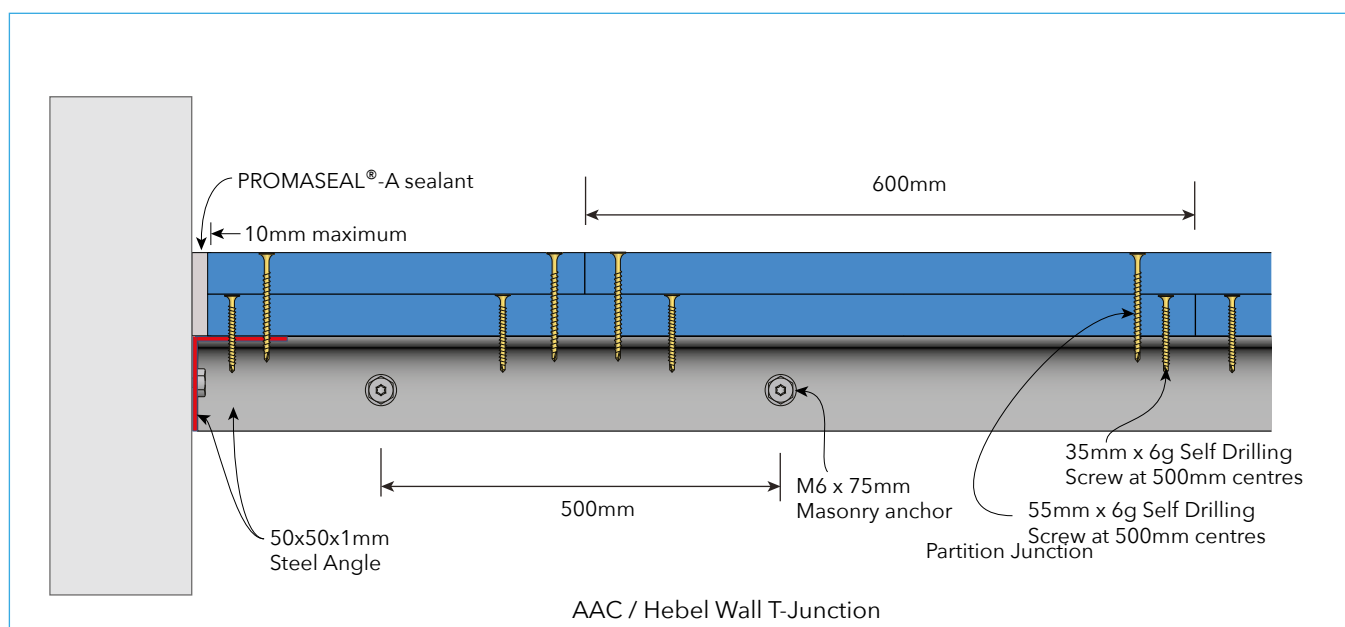
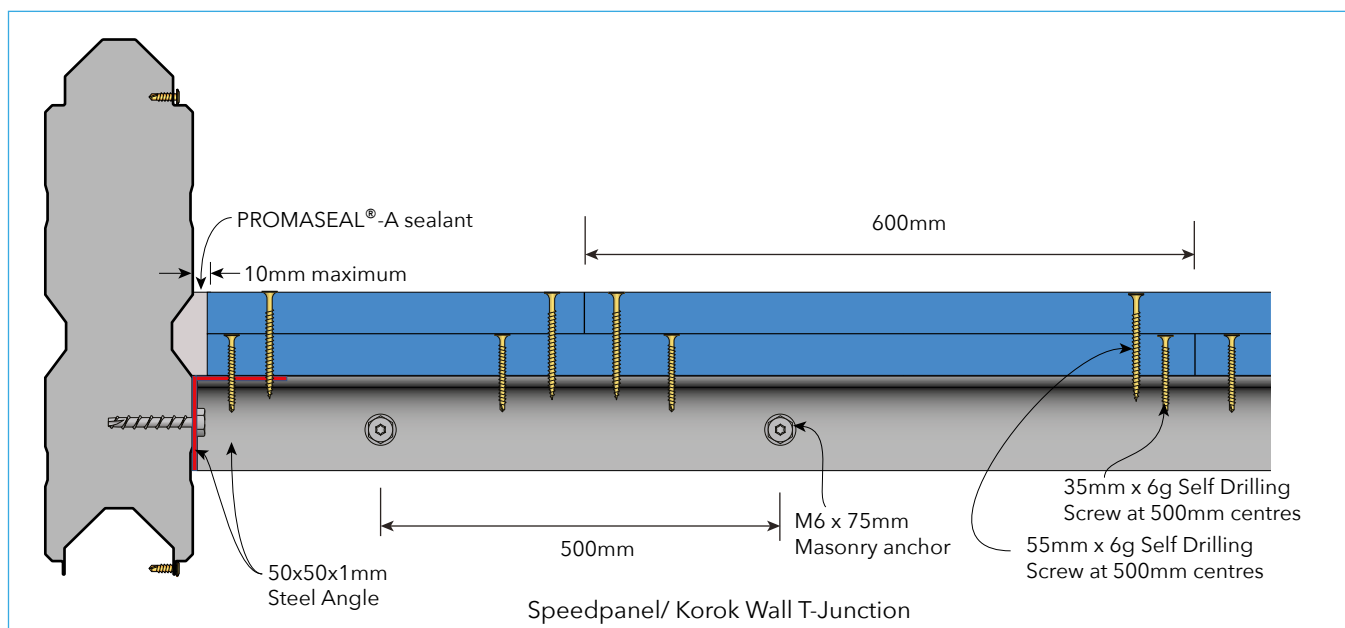


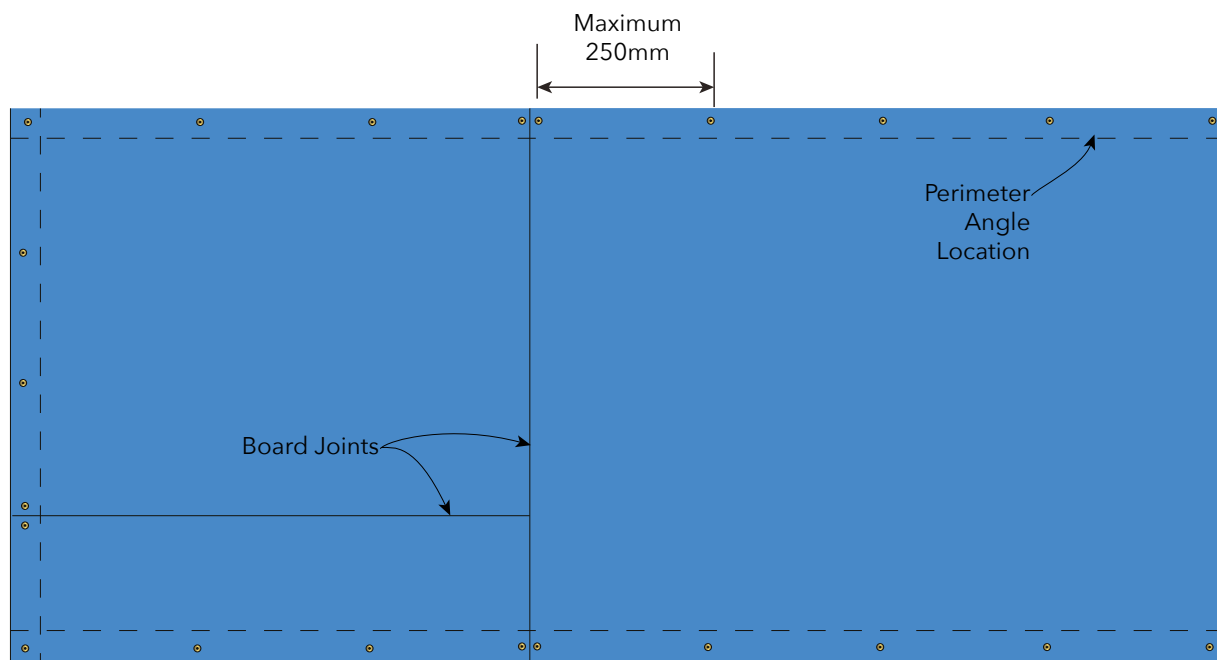
Wall Head. Alternate Angle Position - Section



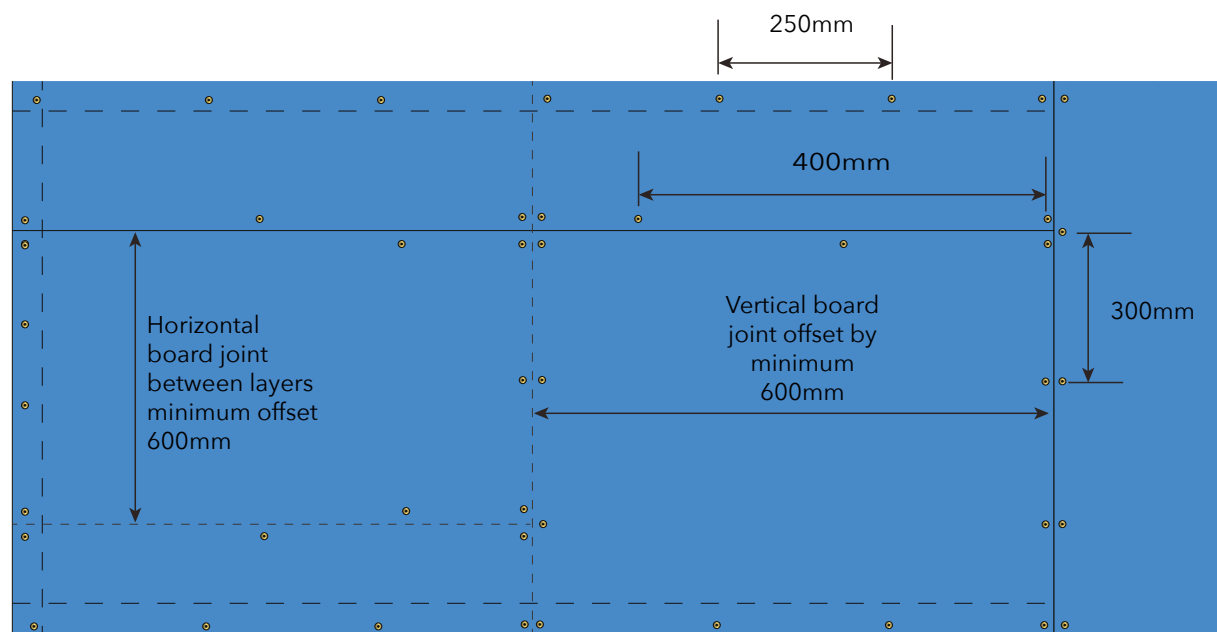
Wall Base. Alternate Angle Position - Section



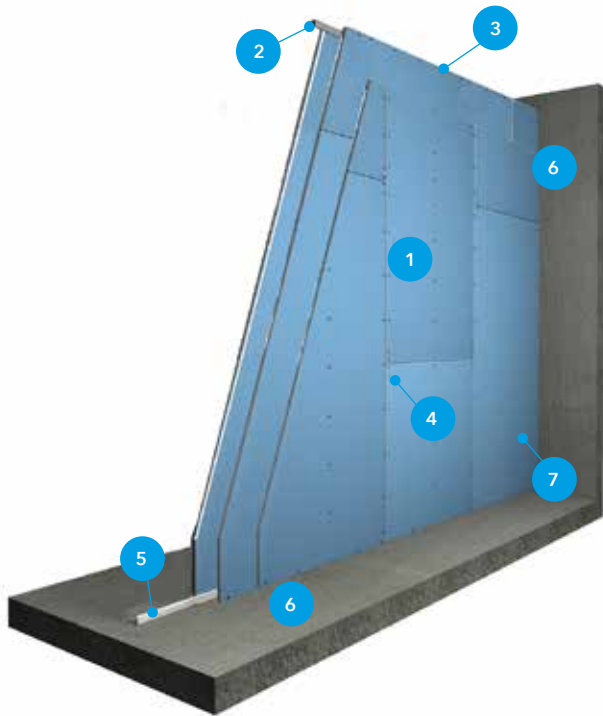




First Board Layer Screw Positions

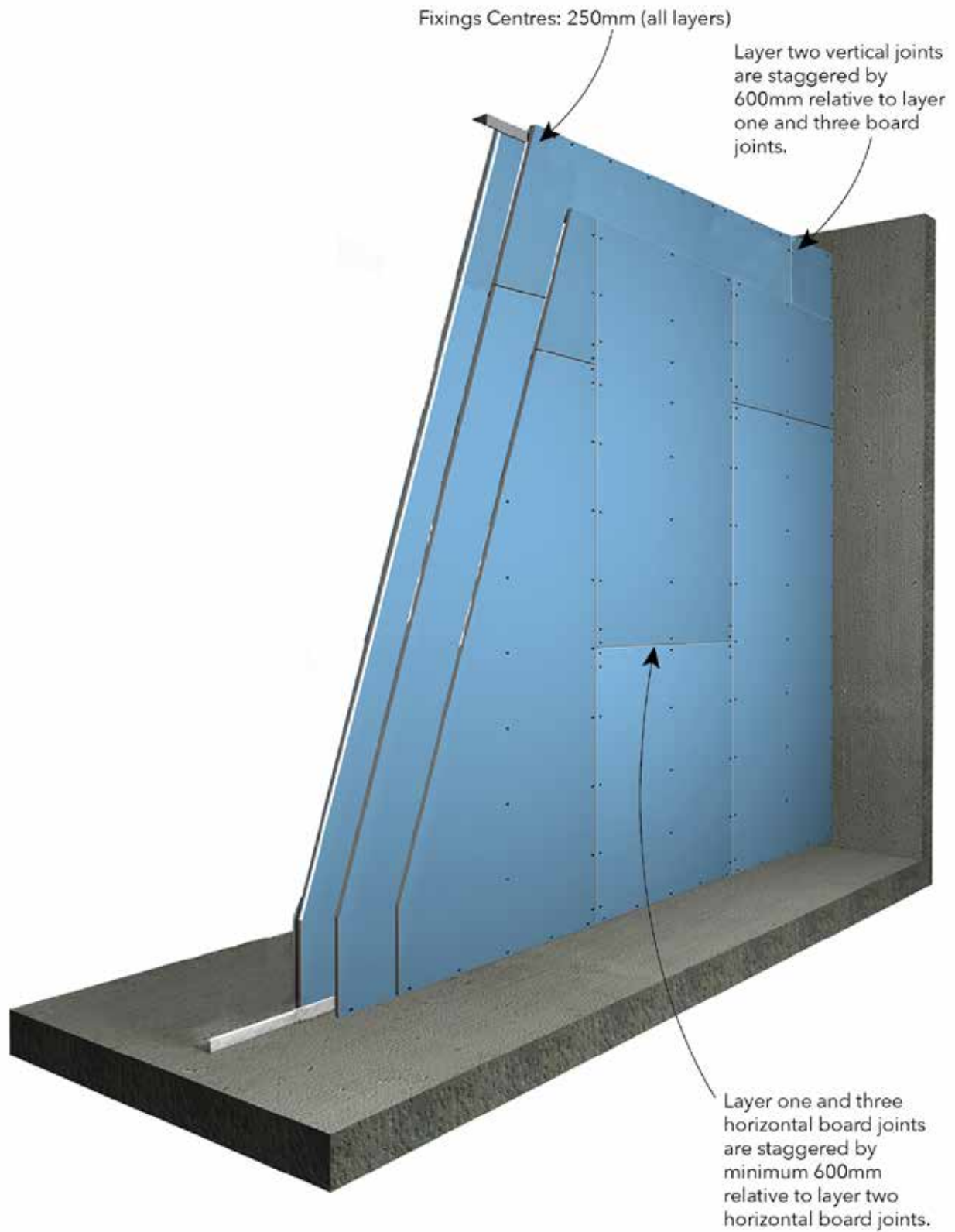


Second Board Layer Screw / Staple Positions

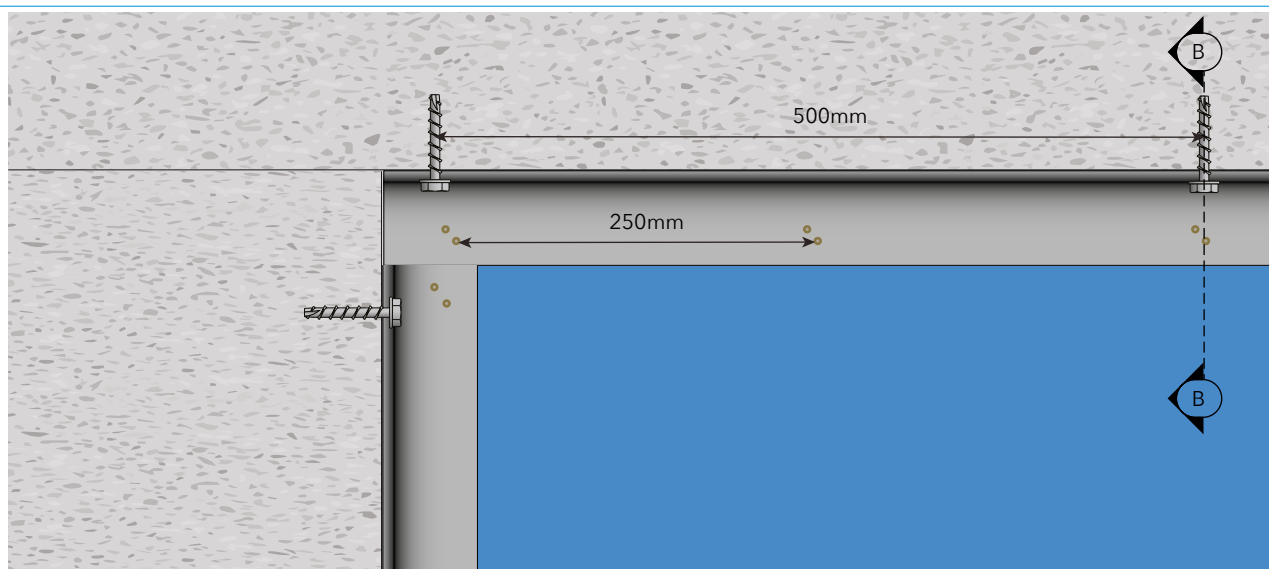


Fire Resistance	FRL	-/180/180
	Standard	AS1530.4:2014
	Approval	JH 252000
Acoustic	$R_w (R_w + C_{tr})$	35 (33)
	Standard	AS/NZ ISO717.1
Construction	Maximum Height	5000mm
	Maximum Length	Unlimited
	Partition Thickness	66mm
	Partition Mass	60kg/m ²
	Configuration	3 x 22mm

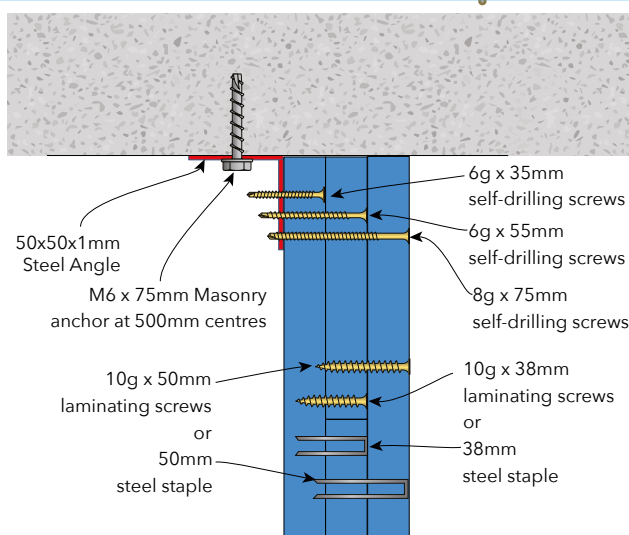
1. PROMATECT® 100X - 22mm. Three Layers
2. Minimum 30 x 30 x 0.55mm steel angle fixed at maximum 500mm centres
3. Fixings to steel angle:
 - a. First layer - 35mm x 6g self tapping screws at 250mm centres
 - b. Second layer - 55mm x 6g self tapping screws at 250mm centres
 - c. Third layer - 75mm x 6g self tapping screws at 250mm centres
4. Fixings for laminating board layers:
 - a. Second to First layer - 10 x 38mm laminating screws or 38mm steel staples at 300mm centres vertically and 400mm horizontally
 - b. Third to other layers - 10 x 50mm laminating screws or 50mm steel staples at 150mm centres vertically and 300mm horizontally
5. M6 x 75mm masonry anchors at 500mm centres
6. Concrete substrate
7. Caulk all perimeters with PROMASEAL® A Acrylic Sealant



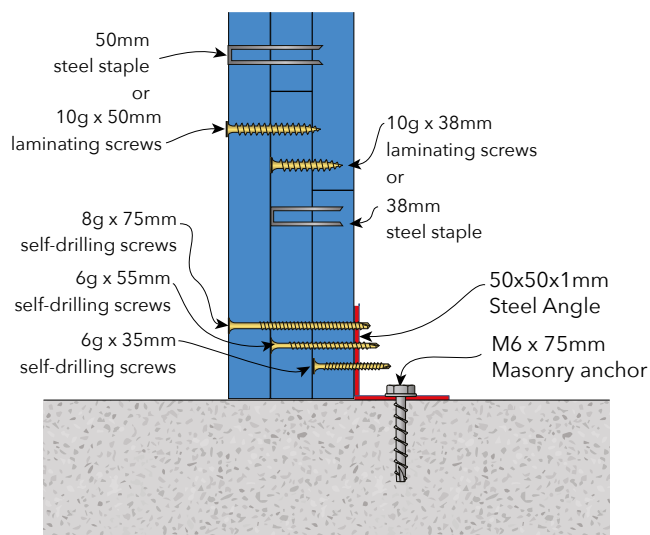
PROMATECT® 100X Solid Wall - Three Layer Installation



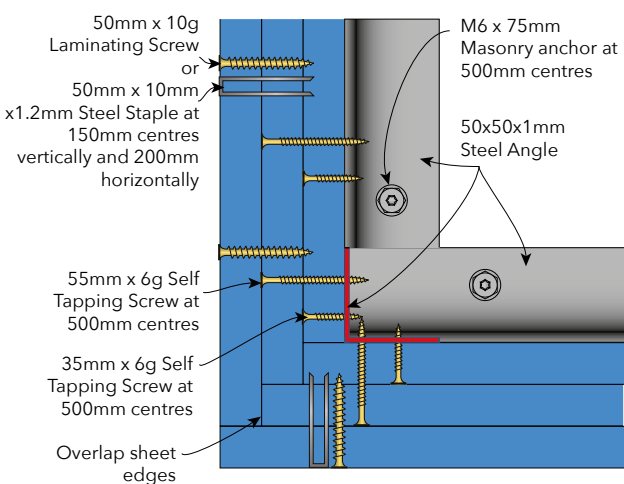
Wall Head - Elevation



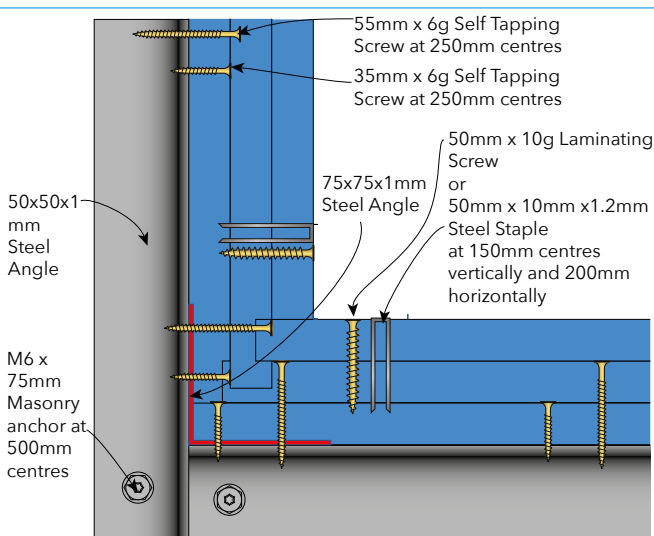
Wall Head Detail - Section B-B



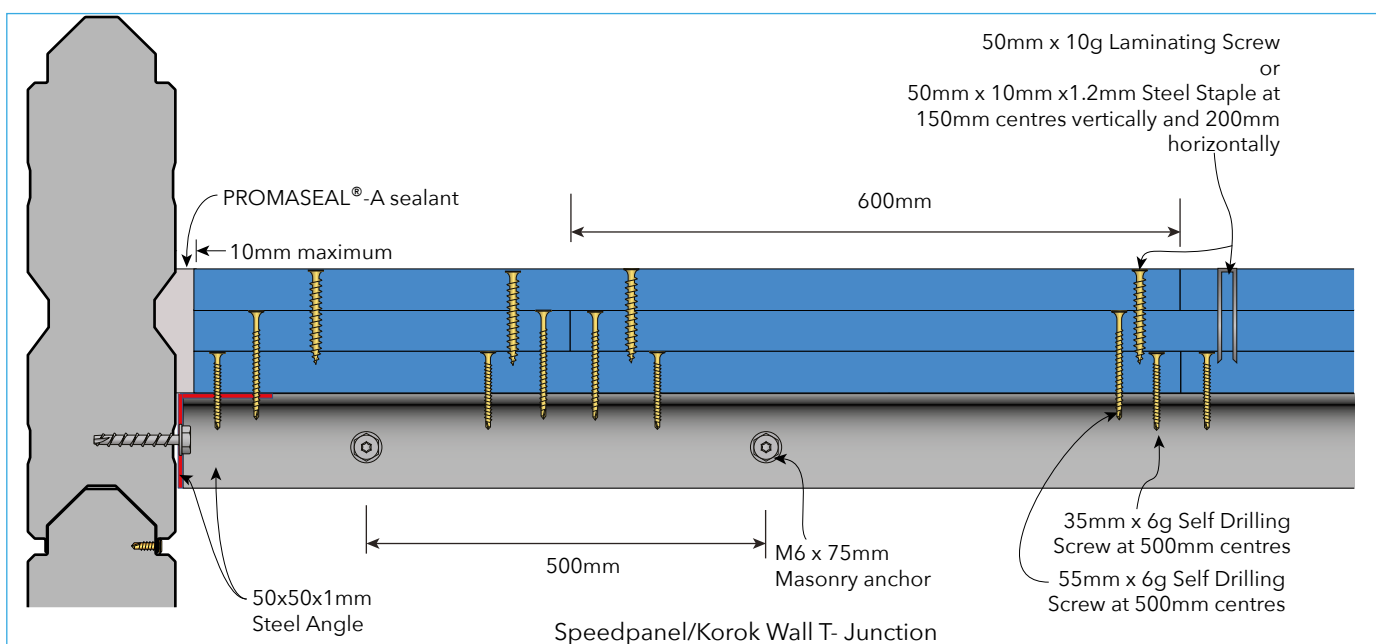
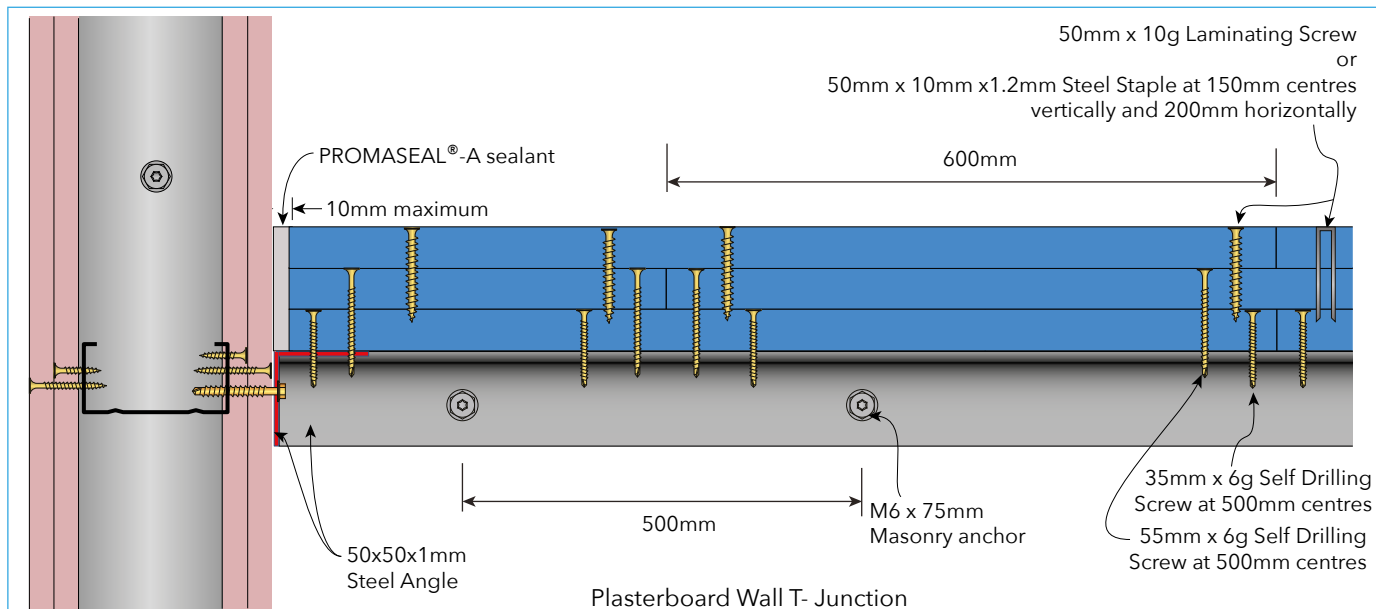
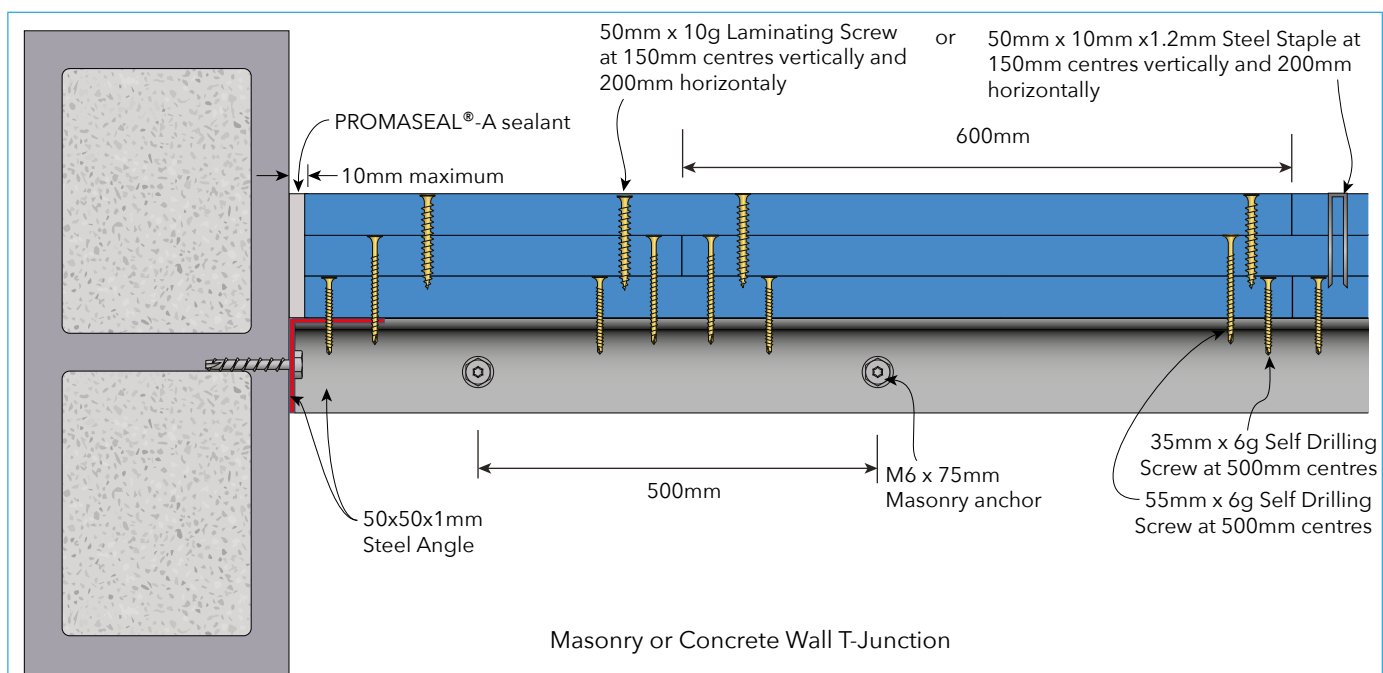
Wall Base Detail - Section

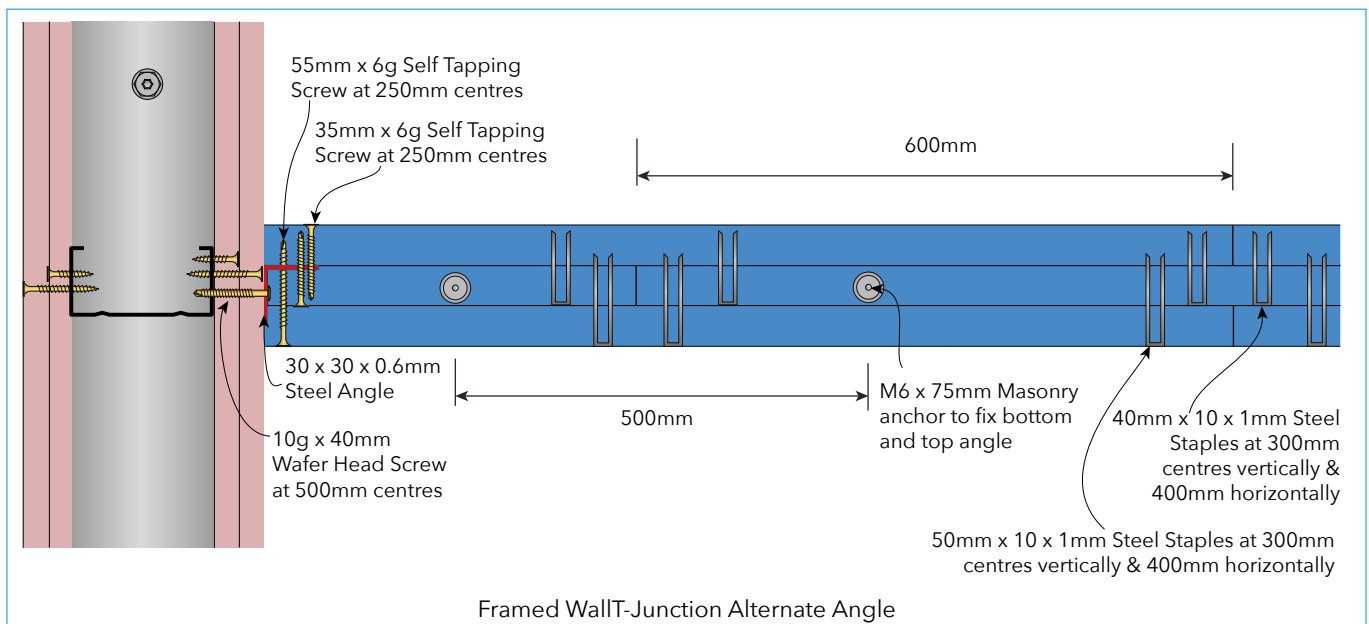
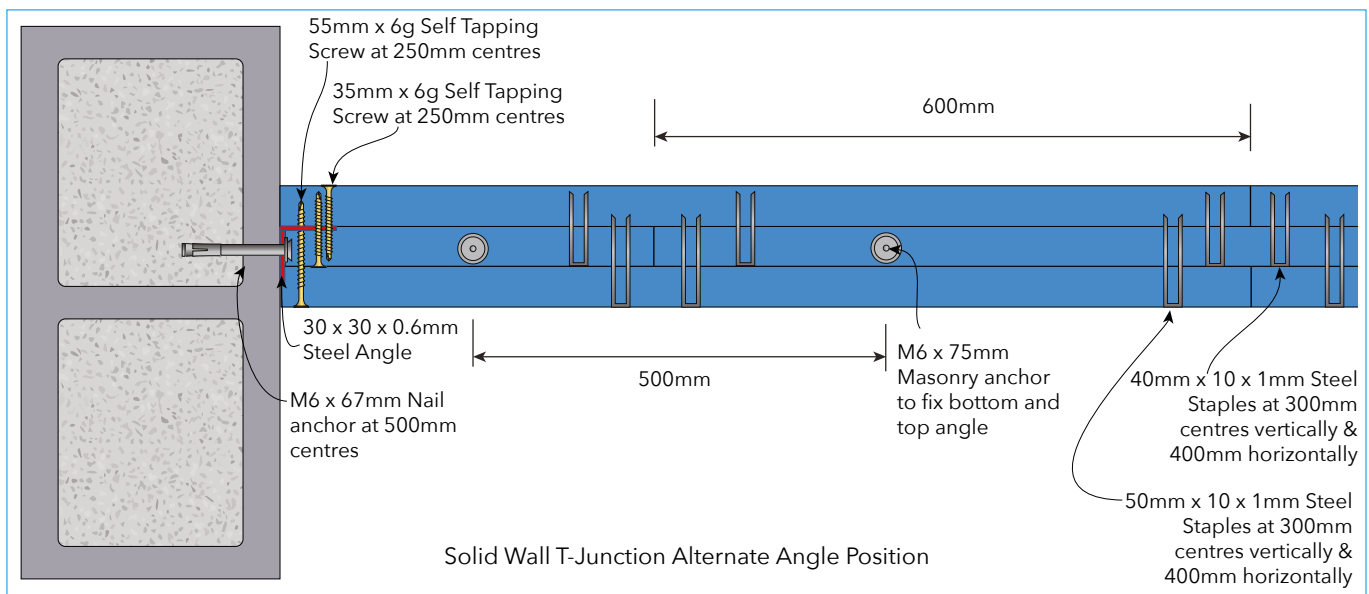
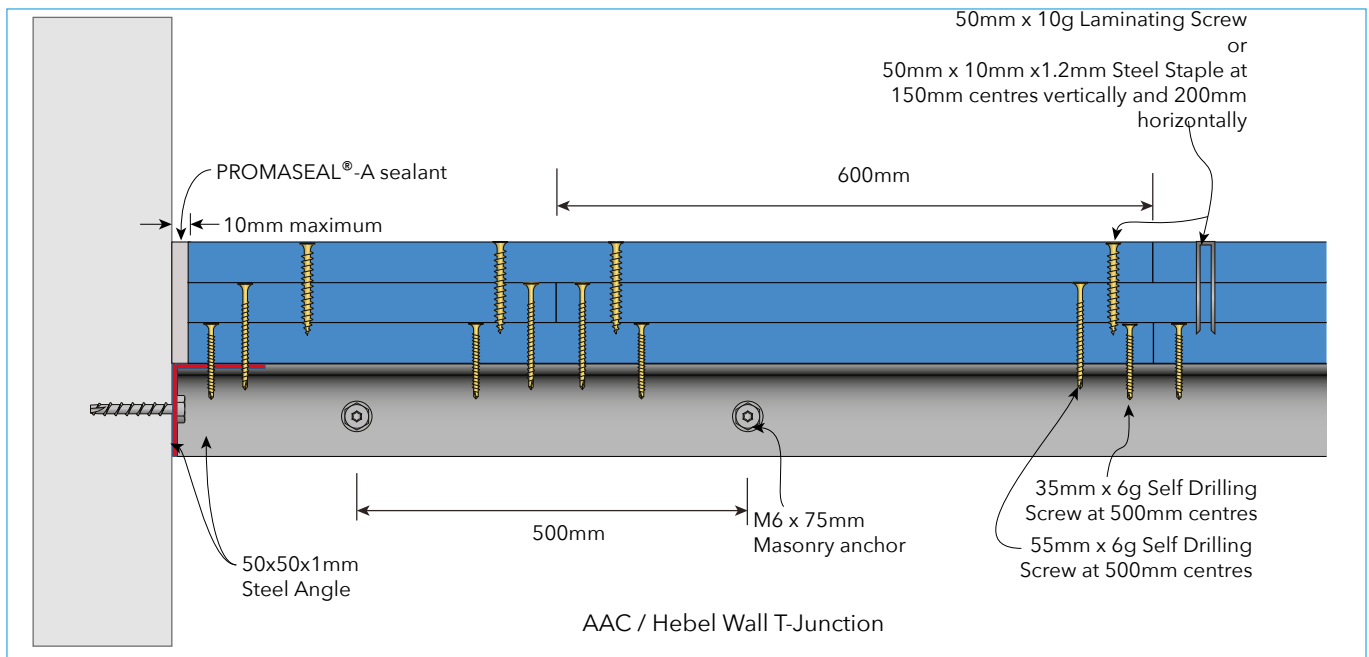


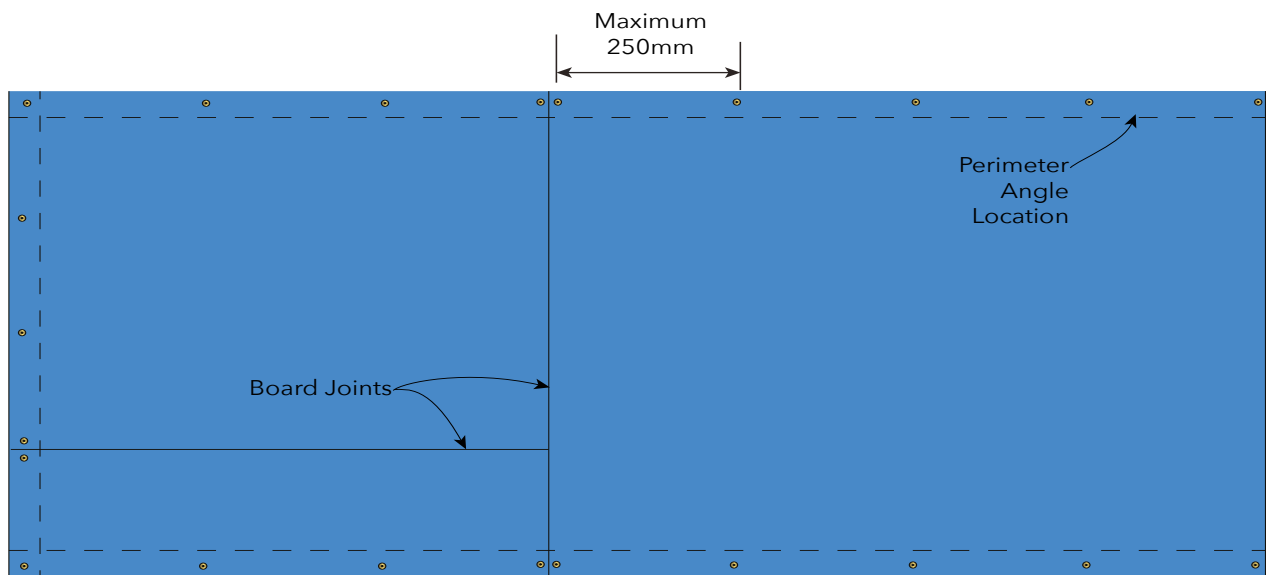
Corner Detail - Angle Internal - Plan



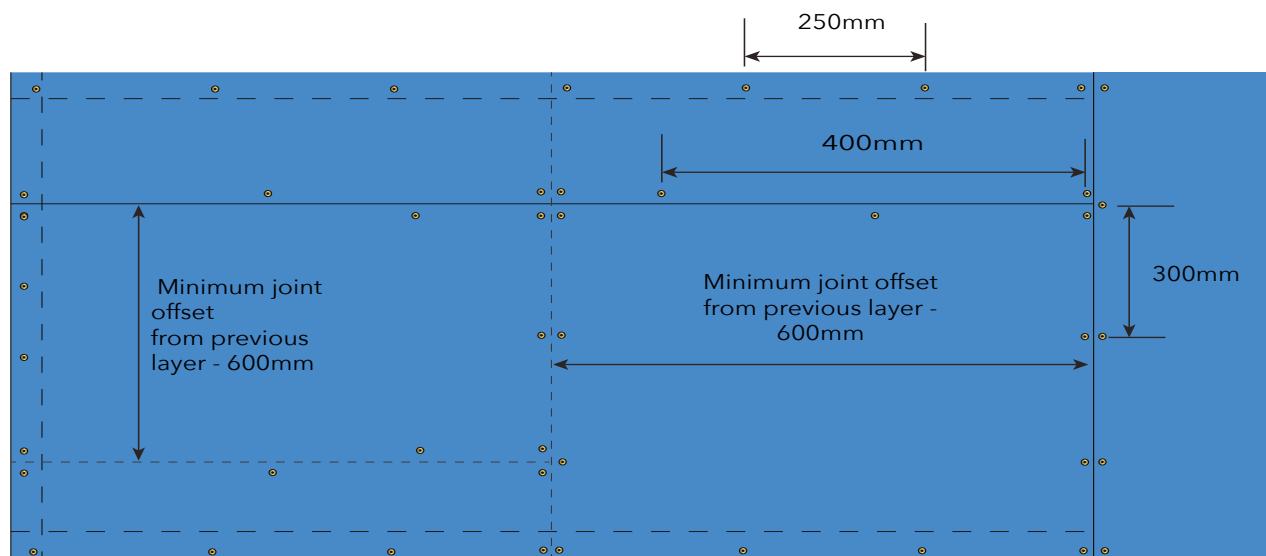
Corner Detail - Angle External - Plan



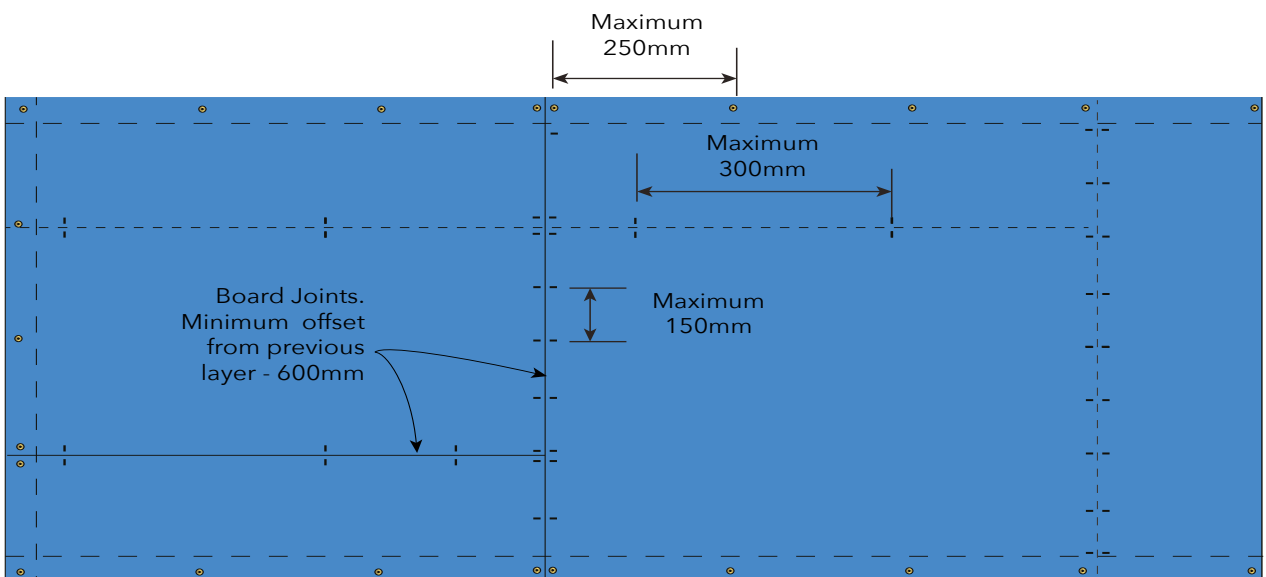




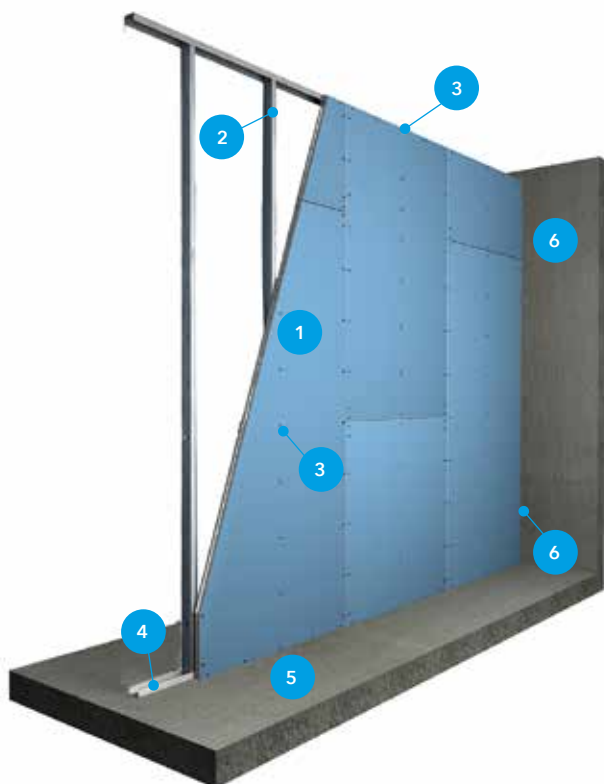
First Board Layer Screw Positions



Second Board Layer Screw / Staple Positions

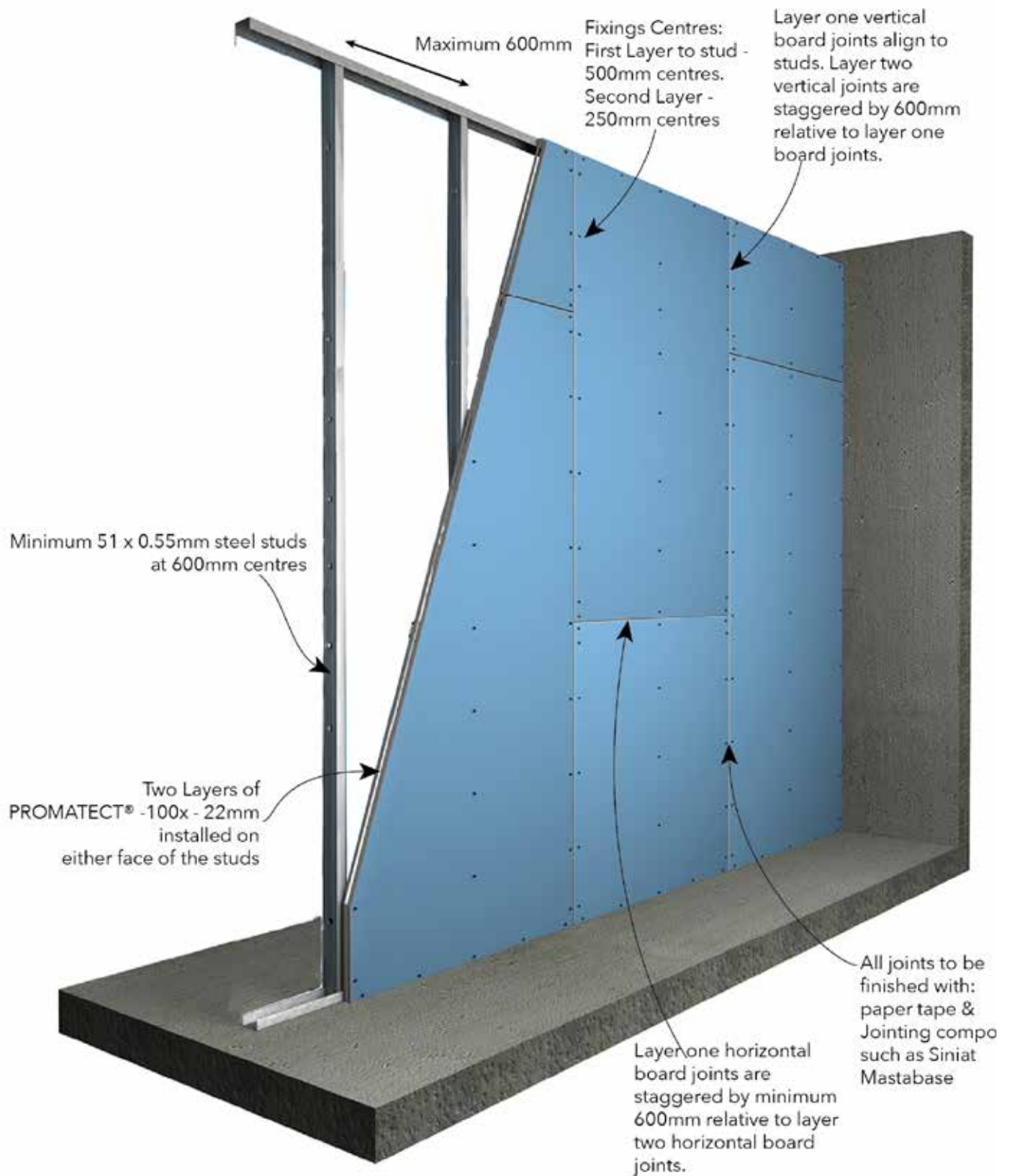


Third Board Layer Screw / Staple Positions

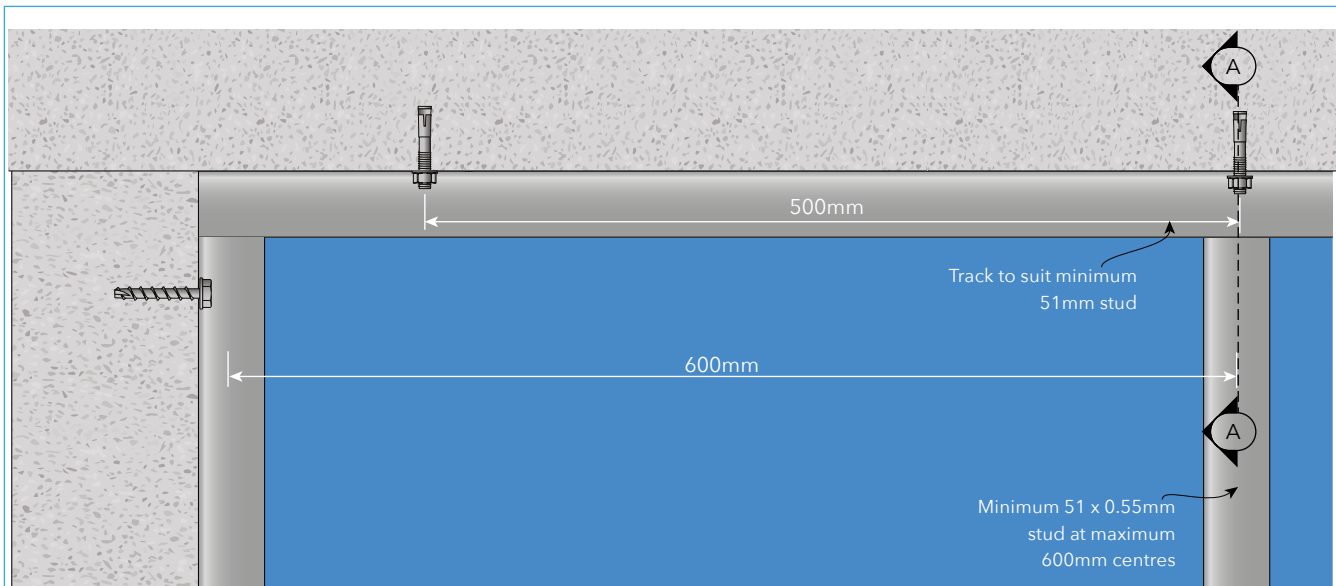


Fire Resistance	FRL	-/120/120
	Standard	AS1530.4:2014
	Approval	JH 252000
Acoustic	$R_w (R_w + C_{tr})$	33 (32)
	Standard	AS/NZ ISO717.1
Construction	Maximum Height	4000mm
	Maximum Length	Unlimited
	Partition Thickness	95mm
	Partition Mass	40kg/m ²
	Configuration	2 x 22mm

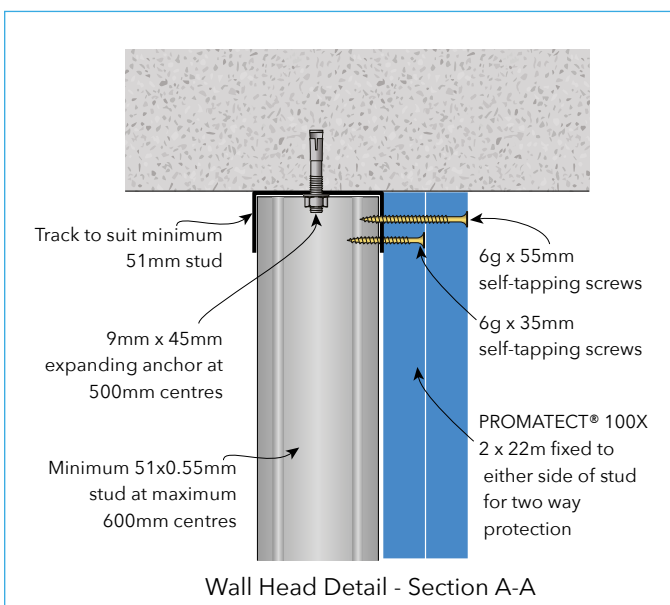
1. PROMATECT® 100X - 22mm. Two layers fixed to one face of studs only
2. Minimum 51 x 0.55mm steel stud at 600mm centres
3. Fixings to steel frame (stud and track):
 - a. First layer - 35mm x 6g self tapping screws at 500mm centres
 - b. Second layer - 55mm x 6g self tapping screws at 250mm centres
4. M6 x 75mm masonry anchors at 500mm centres
5. Concrete substrate
6. Caulk all perimeters with PROMASEAL® A Acrylic Sealant



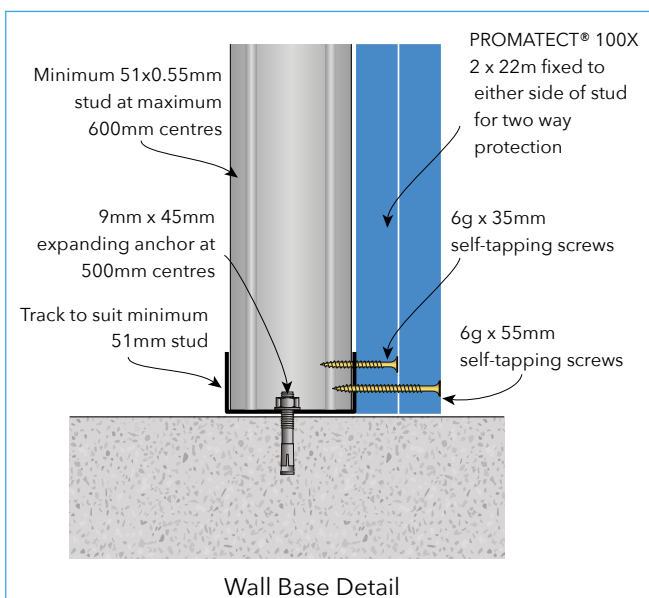
PROMATECT® 100X Shaft Wall - Two Layer Installation



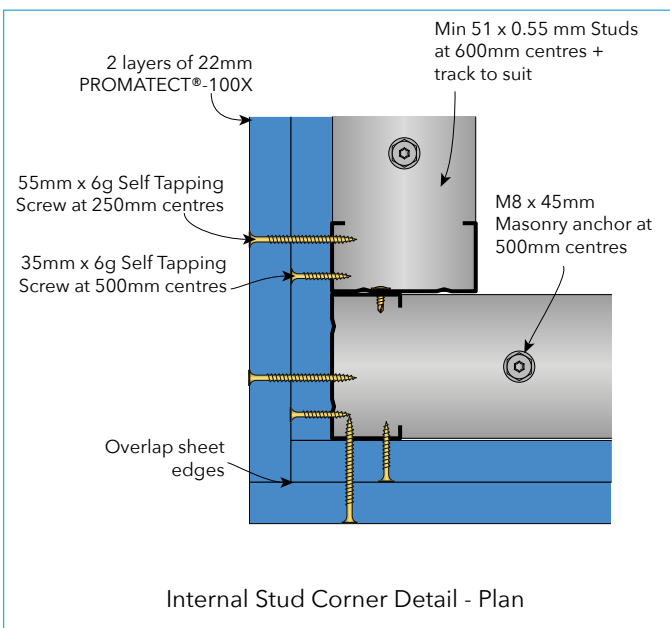
Wall Head - Elevation



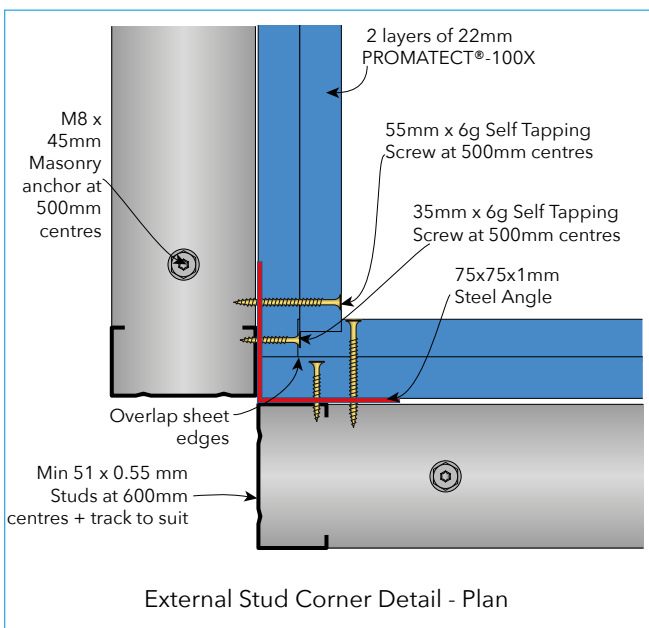
Wall Head Detail - Section A-A



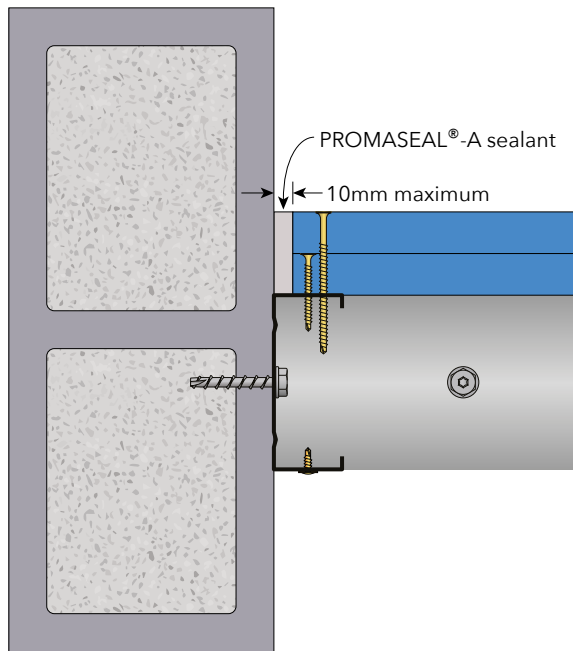
Wall Base Detail



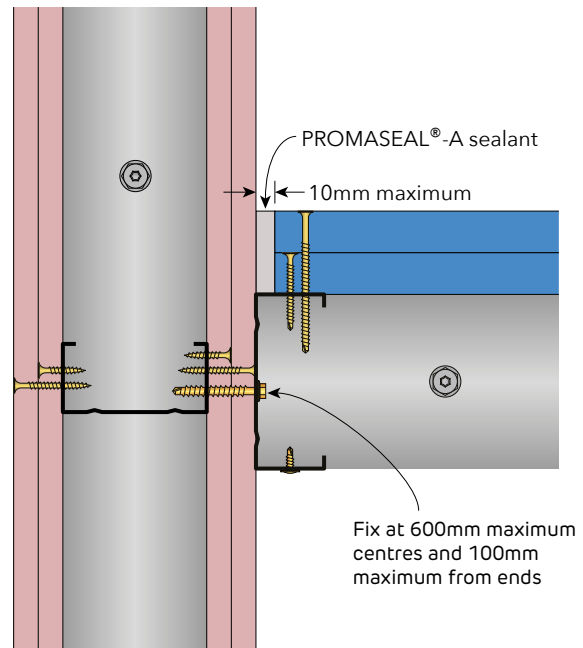
Internal Stud Corner Detail - Plan



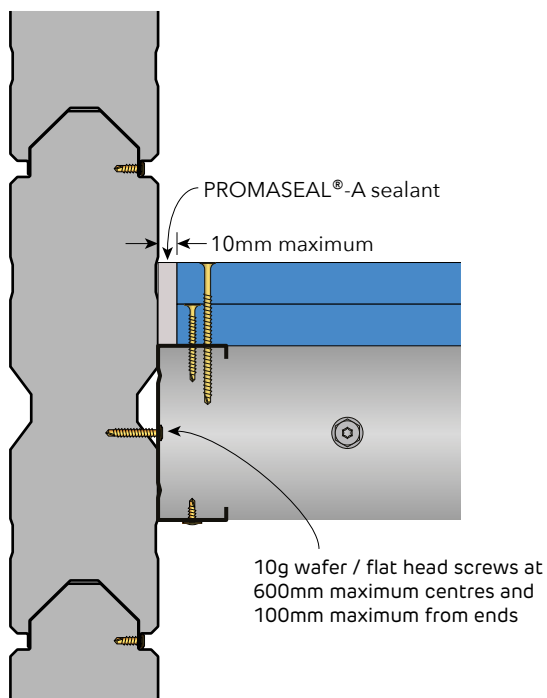
External Stud Corner Detail - Plan



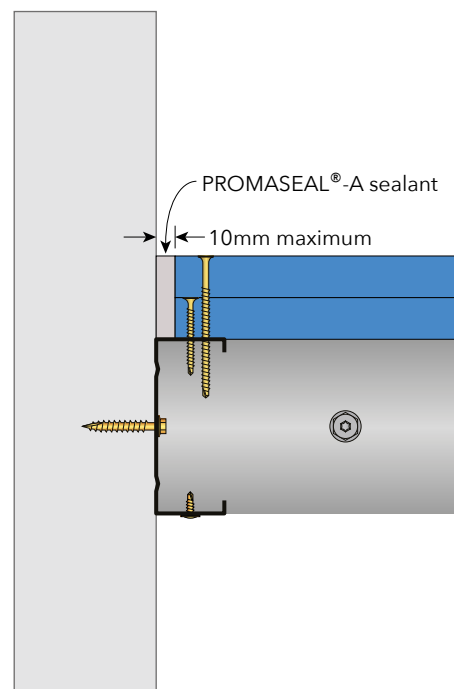
Masonry or Concrete Wall T-Junction



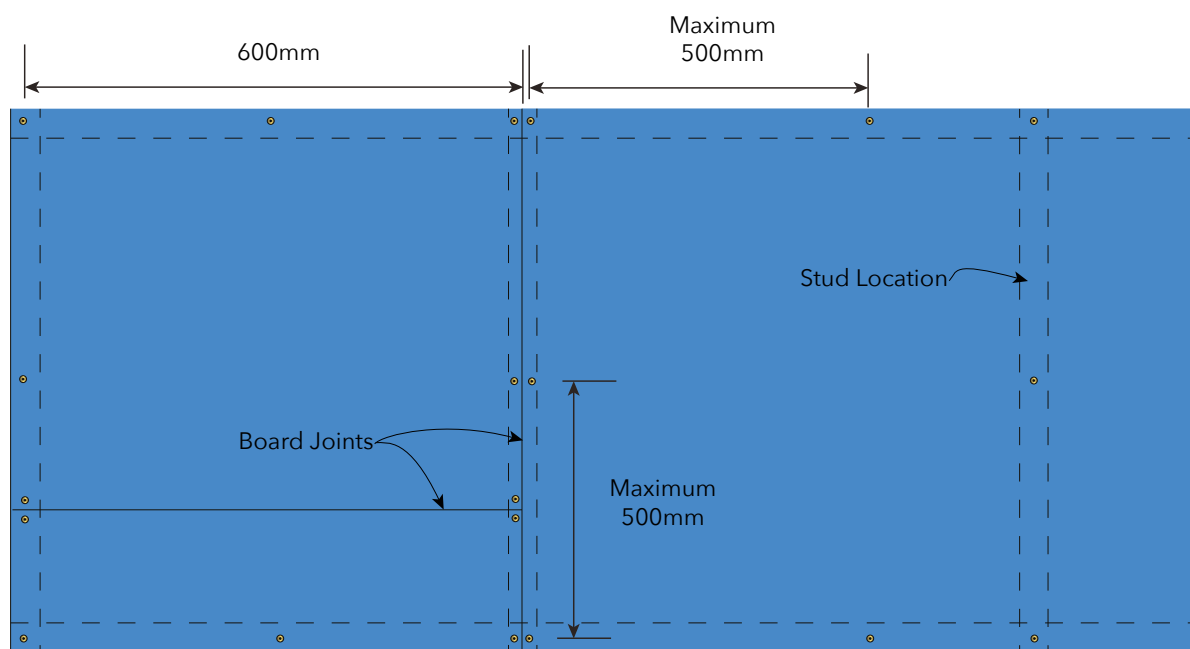
Plasterboard Wall T-Junction



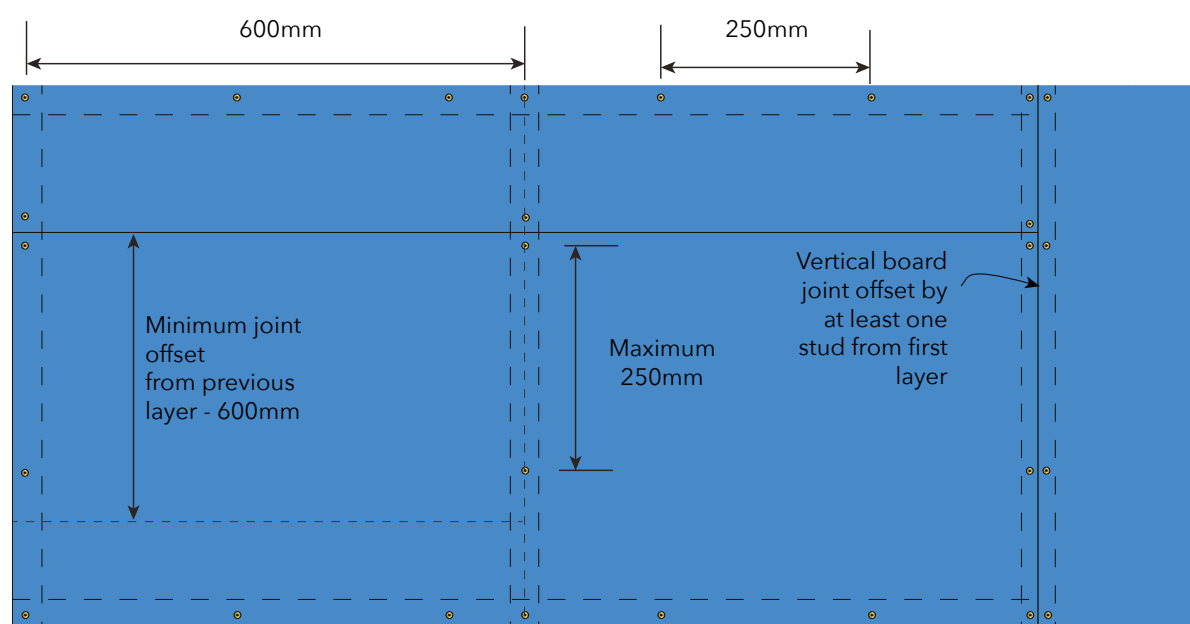
Speedpanel/ Korok Wall T-Junction



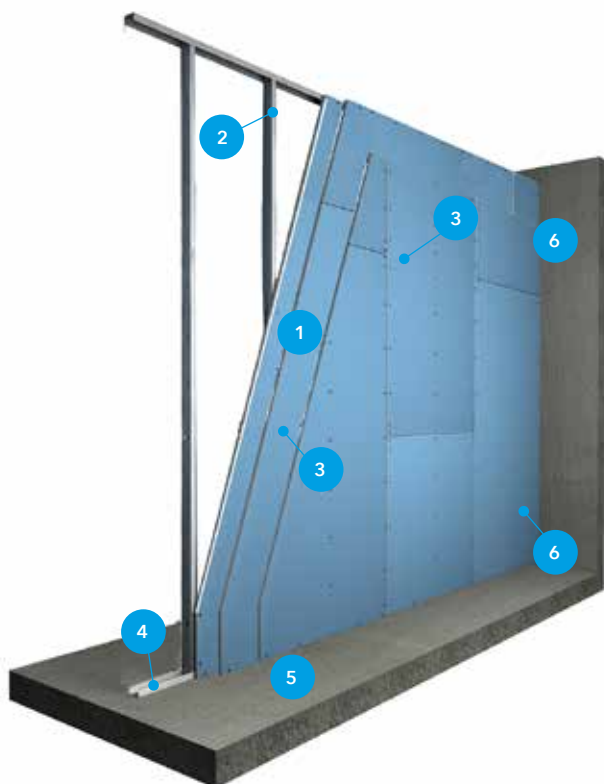
AAC / Hebel Wall T-Junction



First Board Layer Screw Positions

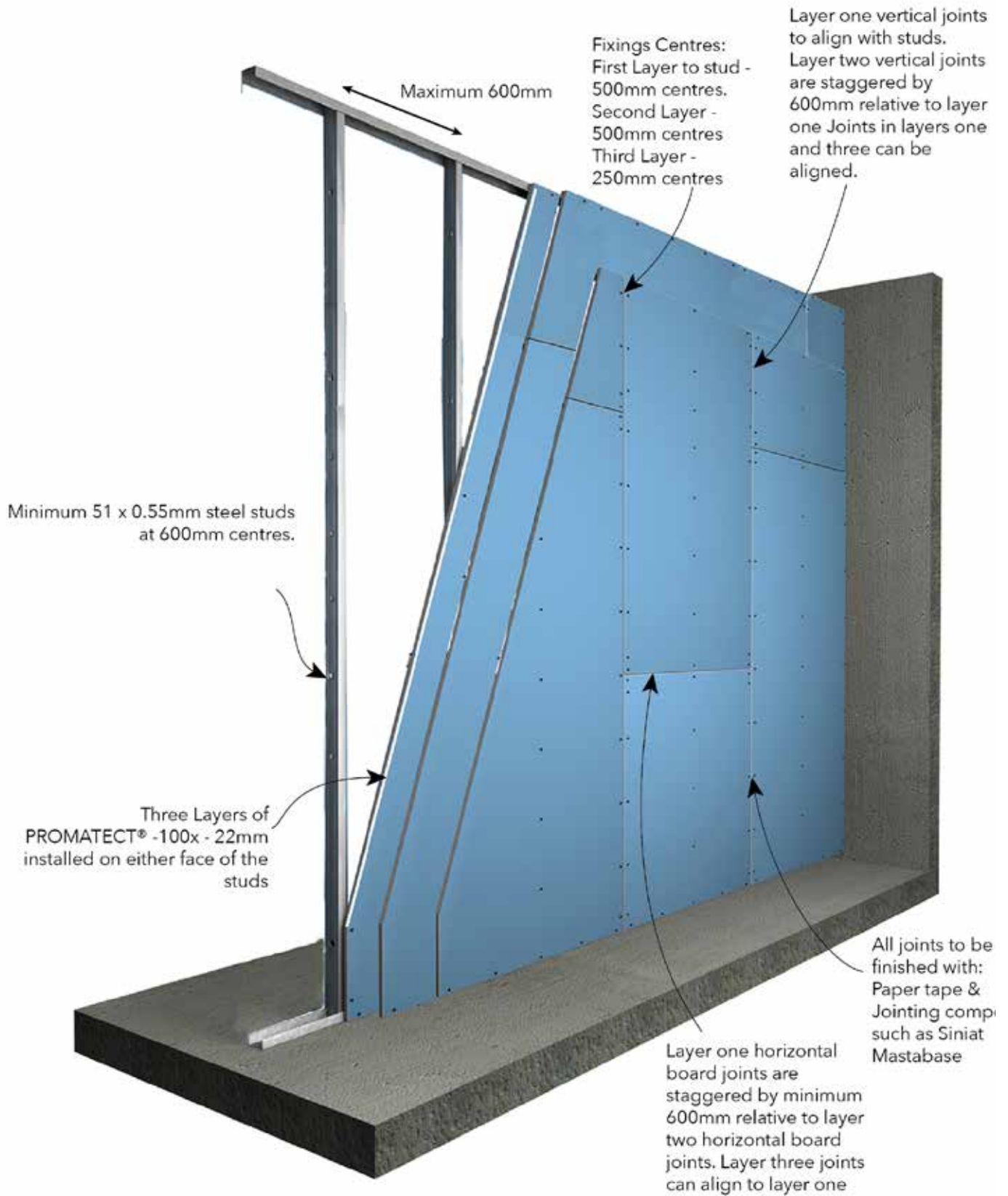


Second Board Layer Screw Positions

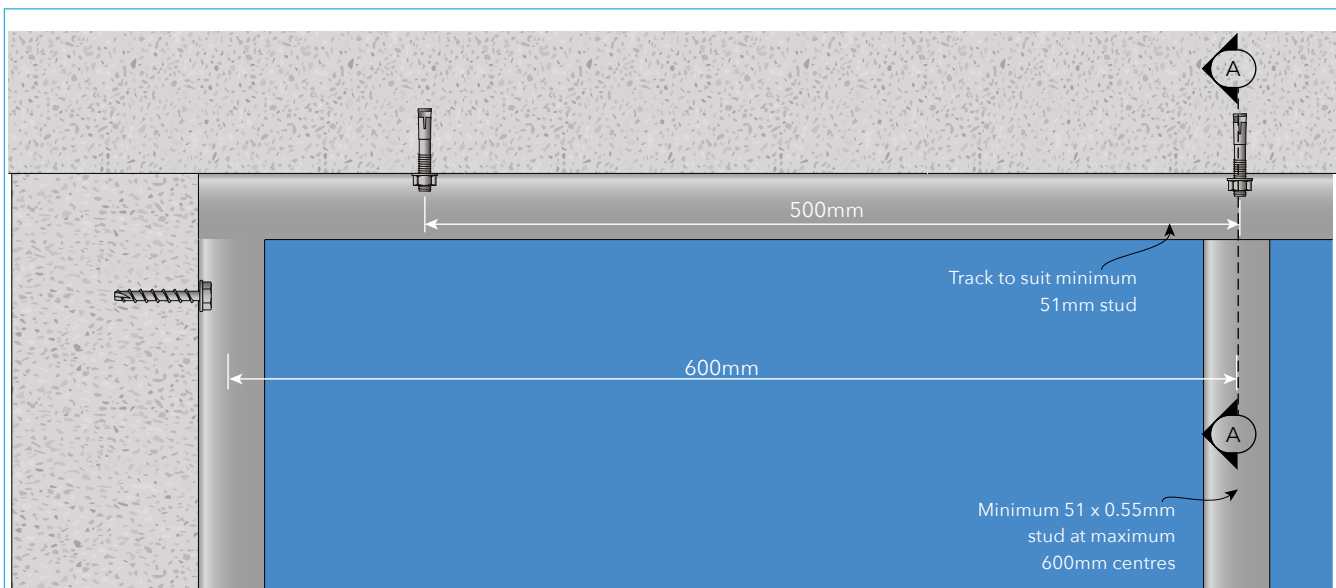


Fire Resistance	FRL	-/180/180
	Standard	AS1530.4:2014
	Approval	JH 252000
Acoustic	$R_w (R_w + C_{tr})$	35 (33)
	Standard	AS/NZ ISO717.1
Construction	Maximum Height	5000mm
	Maximum Length	Unlimited
	Partition Thickness	117mm
	Partition Mass	60kg/m ²
	Configuration	3 x 22mm

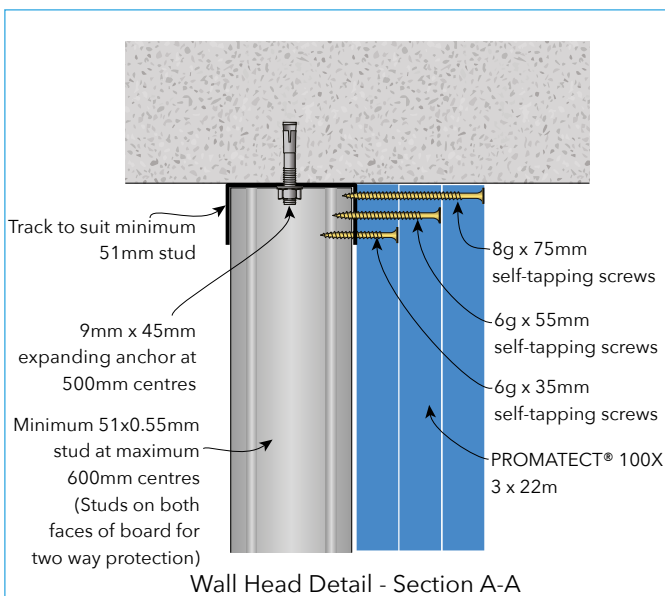
1. PROMATECT® 100X - 22mm. Three layers fixed to one face of studs only
2. Minimum 51 x 0.55mm steel stud at 600mm centres
3. Fixings to steel frame:
 - a. First layer - 35mm x 6g self tapping screws at 500mm centres
 - b. Second layer - 55mm x 6g self tapping screws at 500mm centres
 - c. Third layer - 75mm x 6g self tapping screws at 250mm centres
4. Steel track to suit studs fixed with 9 x 75mm masonry anchors at 500mm centres
5. Concrete substrate
6. Caulk all perimeters with PROMASEAL® A Acrylic Sealant



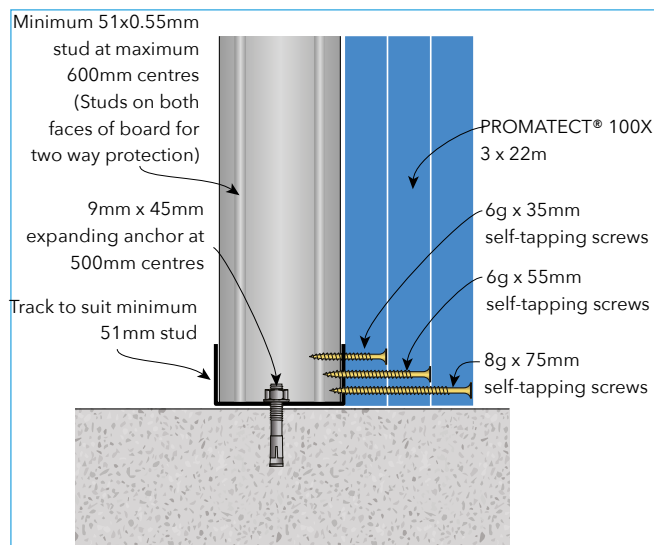
PROMATECT® 100X Shaft Wall - Three Layer Installation



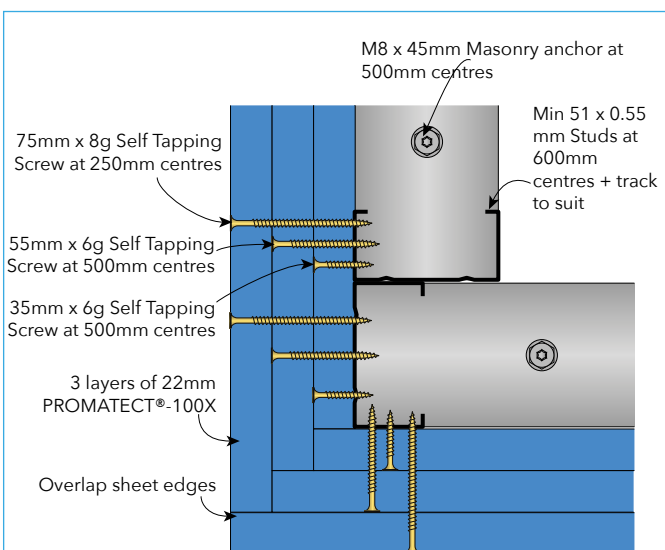
Wall Head - Elevation



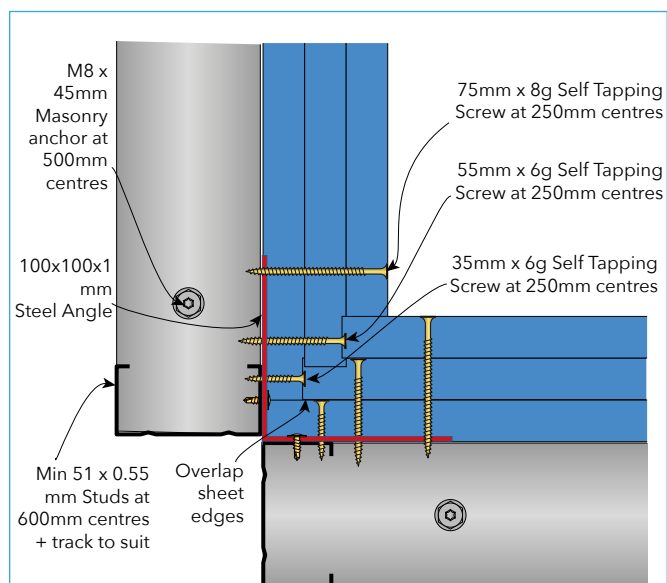
Wall Head Detail - Section A-A



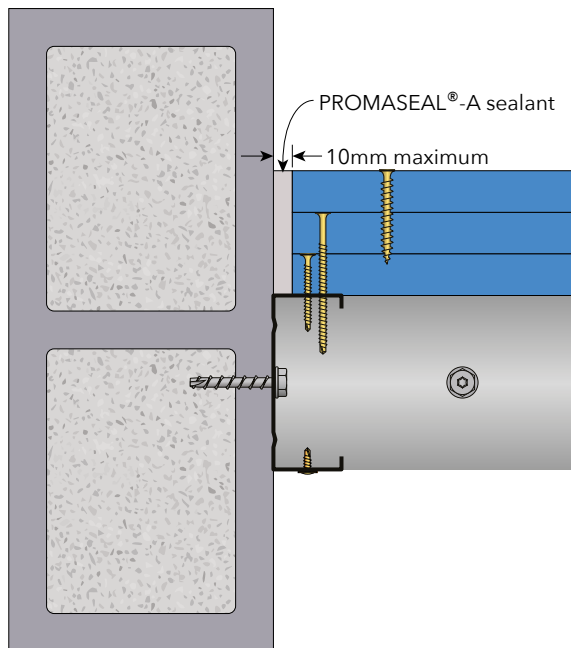
Wall Base Detail - Section



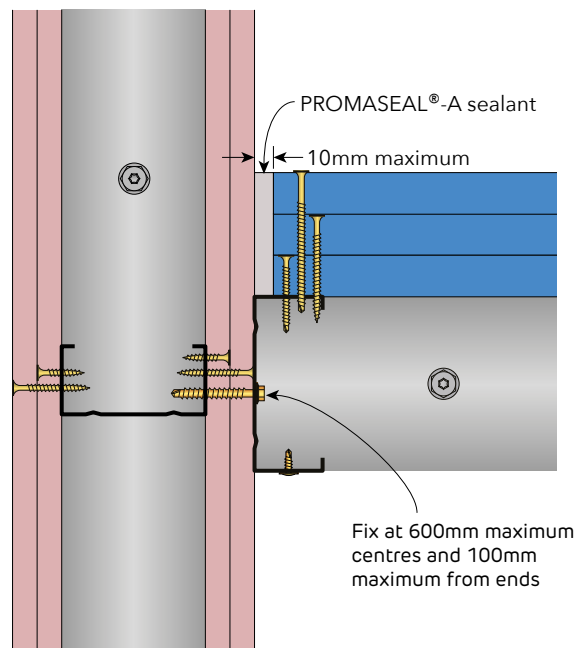
Corner Detail - Angle Internal - Plan



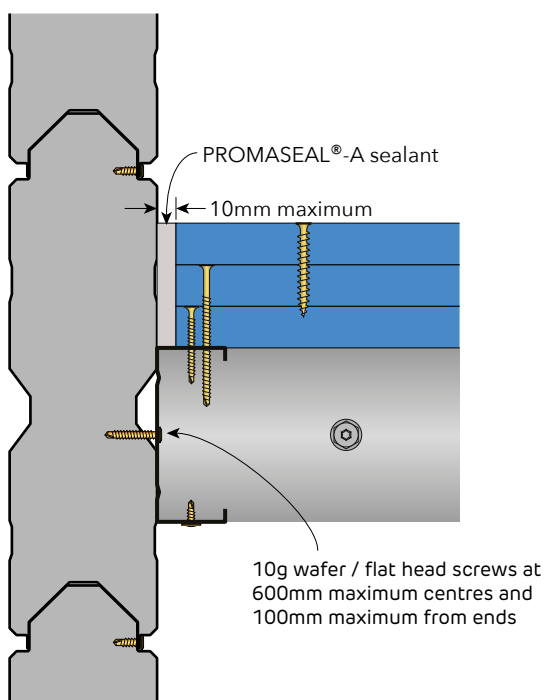
Corner Detail - Angle External - Plan



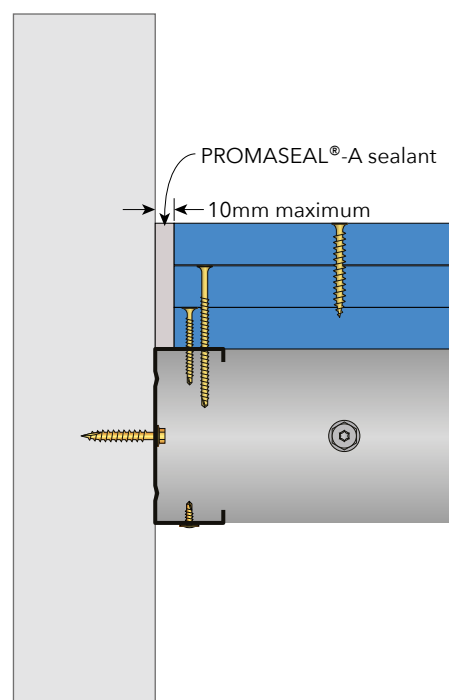
Masonry or Concrete Wall T-Junction



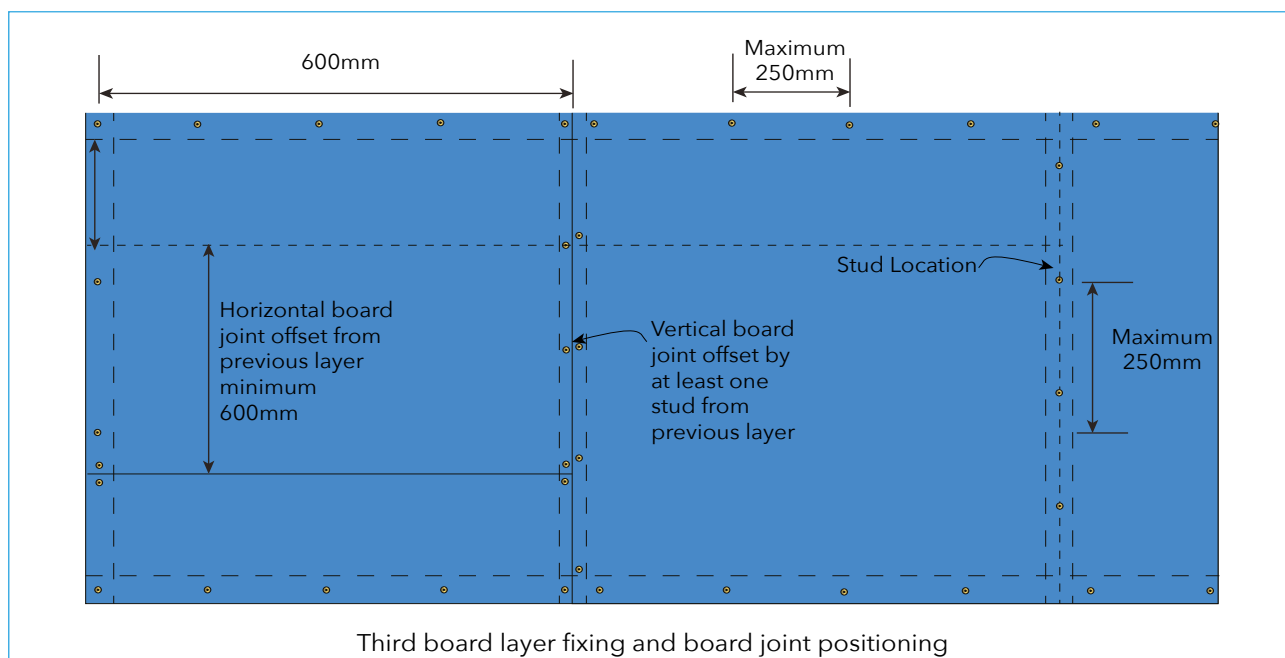
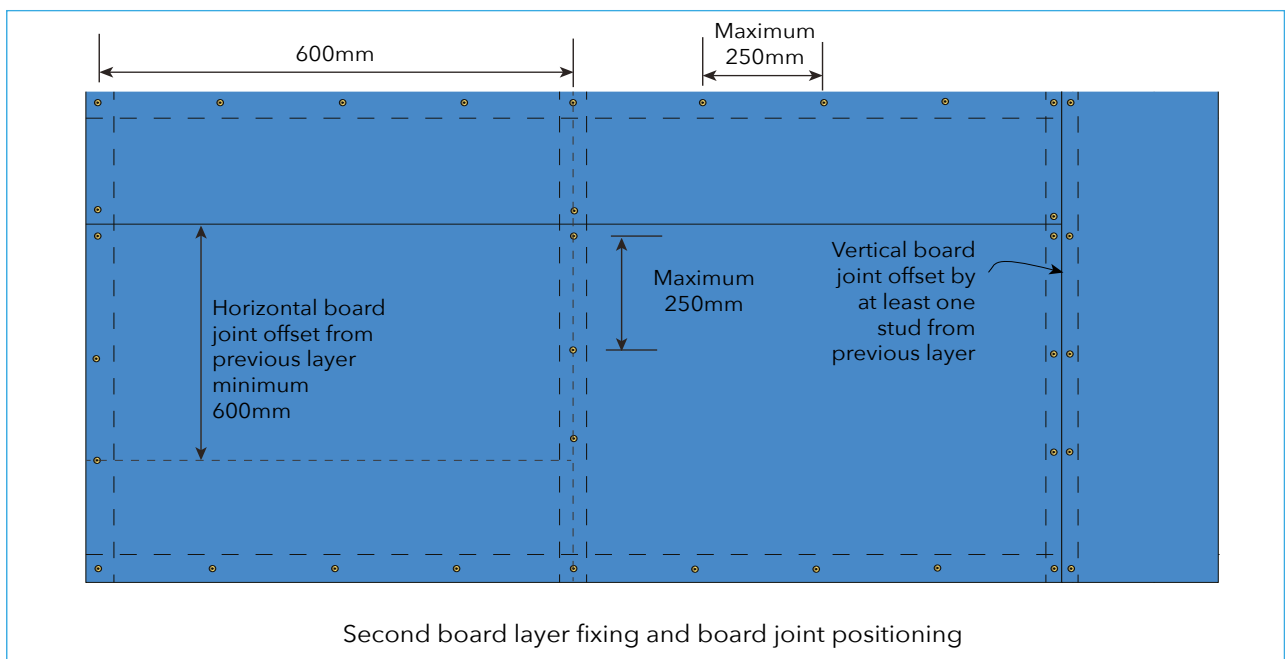
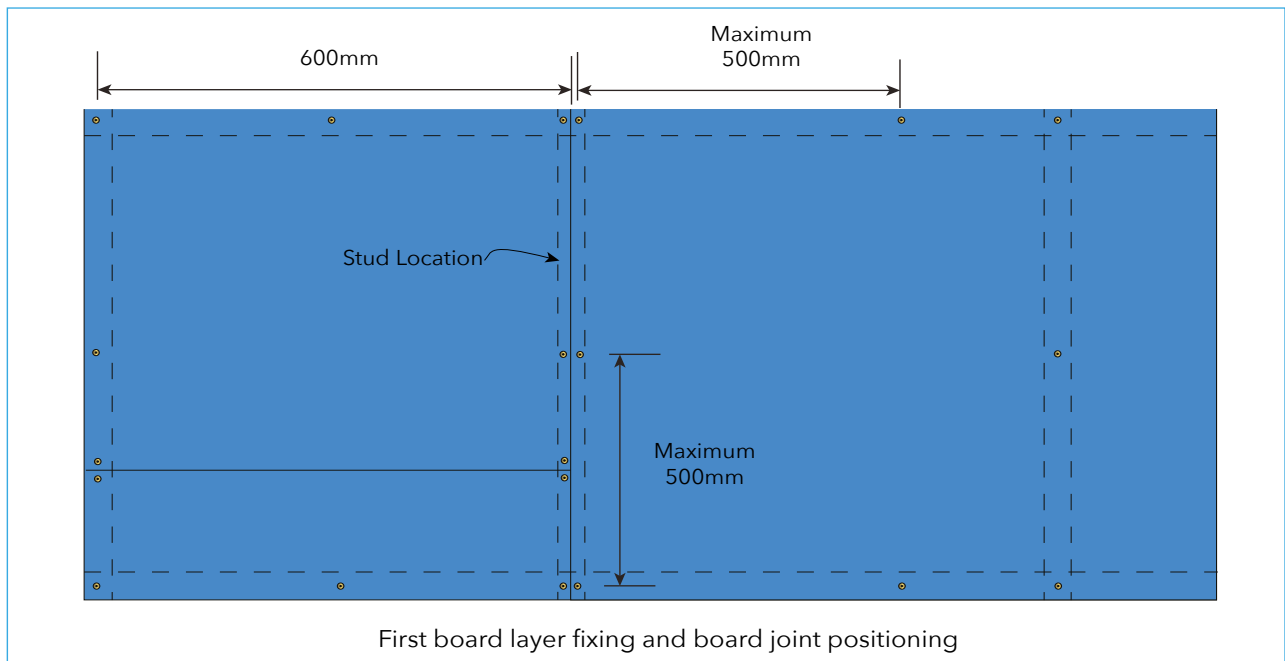
Plasterboard Wall T-Junction

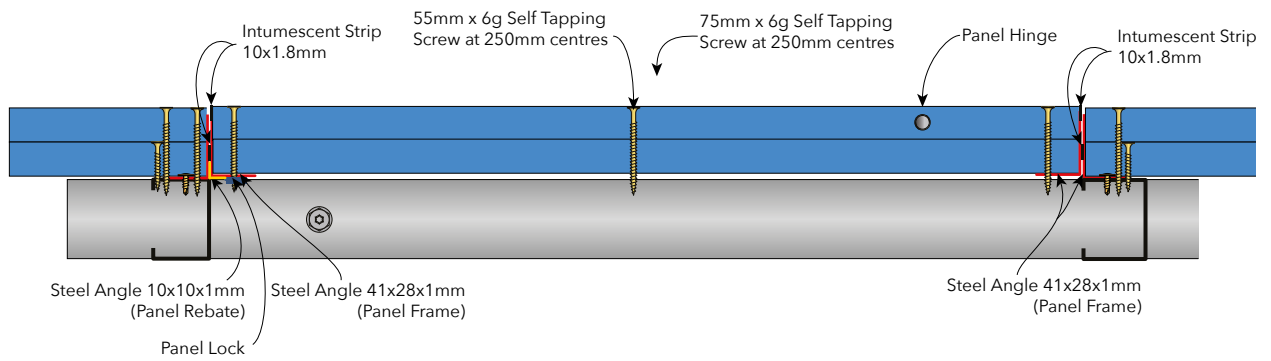


Speedpanel/ Korok Wall T-Junction

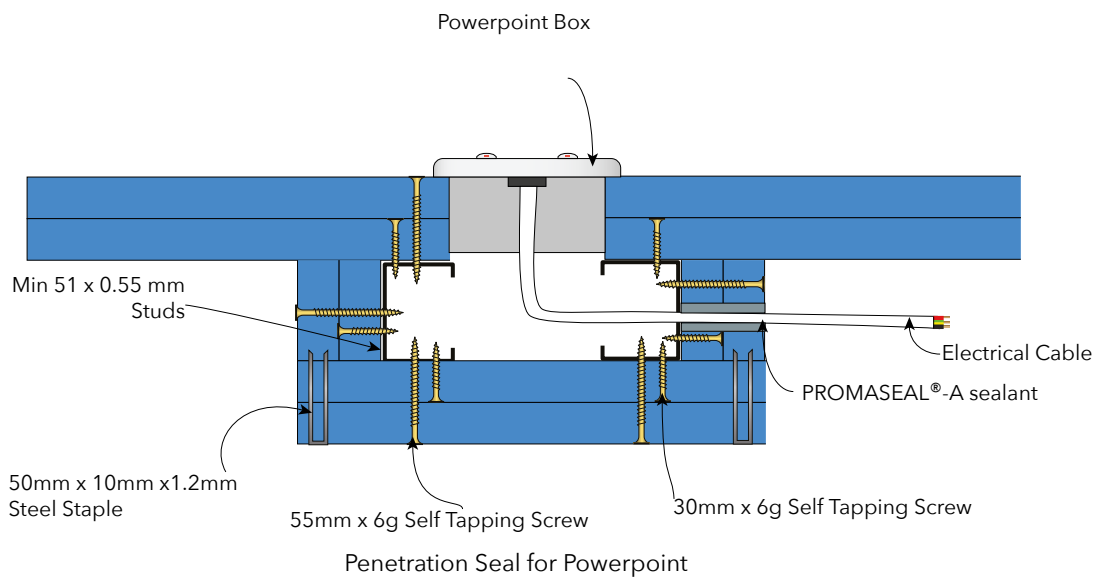


AAC / Hebel Wall T-Junction

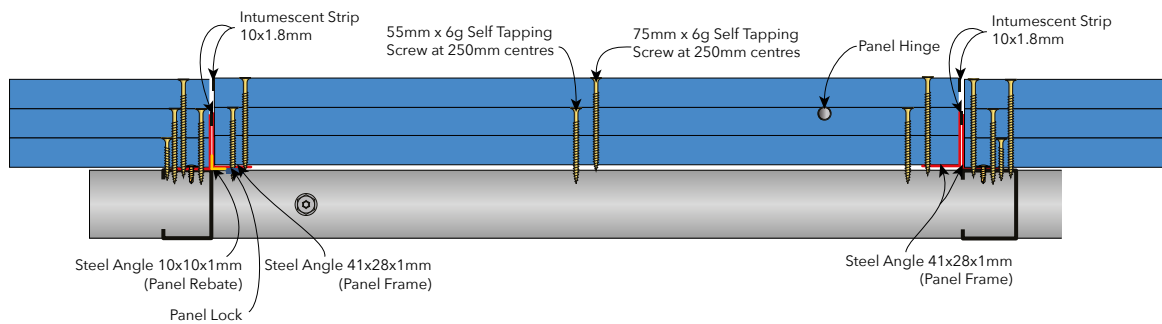




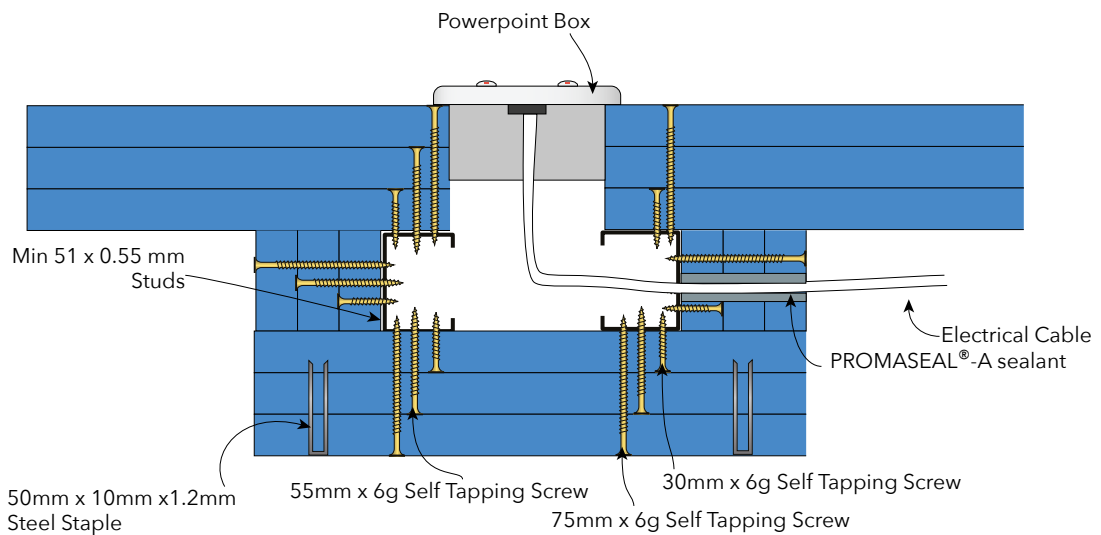
Access Panel



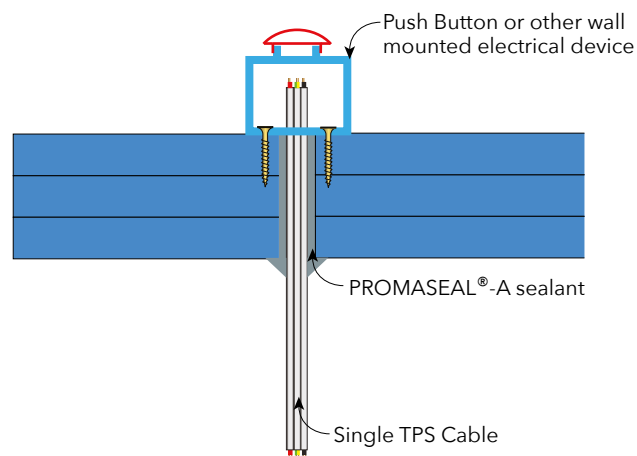
Penetration Seal for Powerpoint



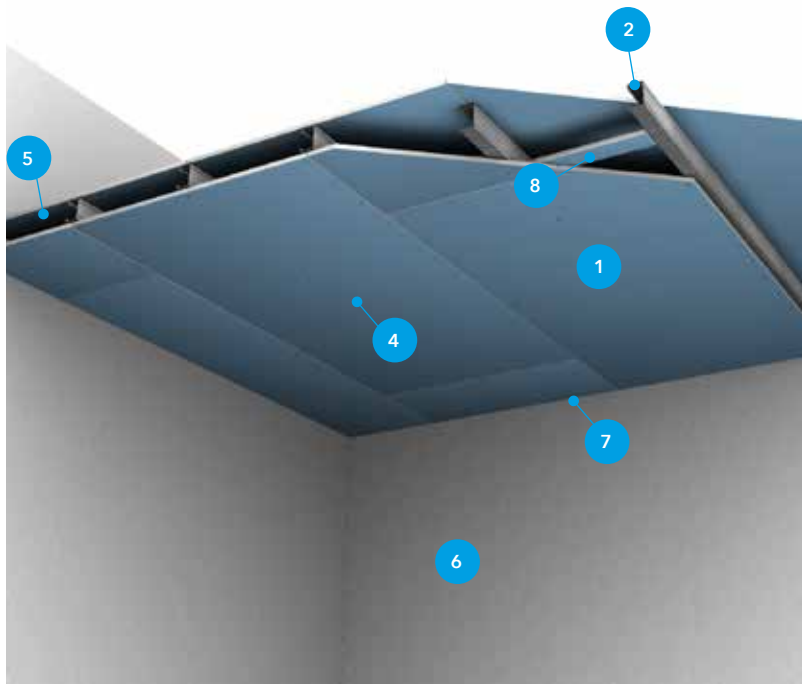
Access Panel



Penetration Seal for Powerpoint



Penetration Seal for Single TPS Cable



Fire Resistance	FRL	-/120/120
	Standard	AS1530.4:2014
	Approval	JH FAS250470
Acoustic	$R_w (R_w + C_{tr})$	Refer to table below
	Standard	ISO717.1
Construction	Maximum Span	Refer to table on next page
	Maximum Length	Unlimited
	Ceiling Thickness	From 136mm
	Ceiling Mass	From 44kg/m ²
	Configuration	1 x 22mm on Each Face

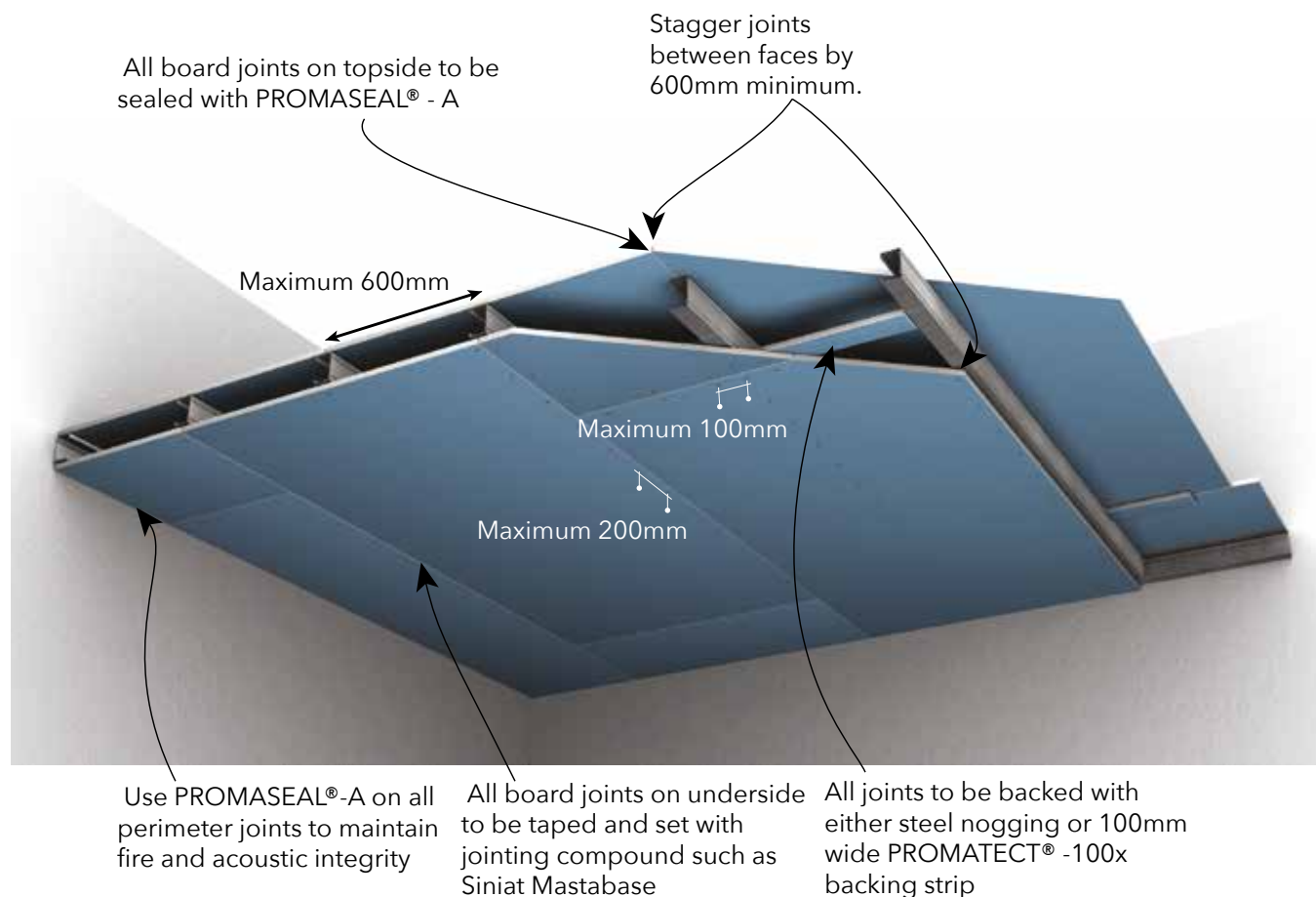
1. PROMATECT® 100X - 22mm
2. Steel studs or purlins (Refer span tables on next page for details)
3. Base track and slotted deflection head track to suit ceiling studs
4. 6g x 45mm self-drilling, bugle head screws at 200mm centres
5. M6 x 50mm concrete screw anchors at 500mm centres
6. Concrete / Masonry substrate
7. Caulk all perimeters with PROMASEAL® A Acrylic Sealant
8. All joints to be either located on steel nogging or backed with 100mm wide backing strip of PROMATECT® 100X, fixed at 100mm centres

	Stud Size	92mm x 1.55BMT	150mm x 1.55BMT	C150	C200
Cavity Infill					
Nil	$R_w (R_w + C_{tr})$	45 (40)	48 (42)	49 (43)	51 (44)
Pink Partition 90mm x 32kg/m ³ R2.7	$R_w (R_w + C_{tr})$	48 (42)	51 (45)	53 (46)	56 (49)
Bradford Soundscreen 75mm x 32kg/m ³ R2.0	$R_w (R_w + C_{tr})$	47 (40)	51 (45)	53 (46)	56 (48)
Pink Wall Batts HD 130mm x 10kg/m ³ R2.5	$R_w (R_w + C_{tr})$	n/a	51 (45)	53 (45)	55 (48)

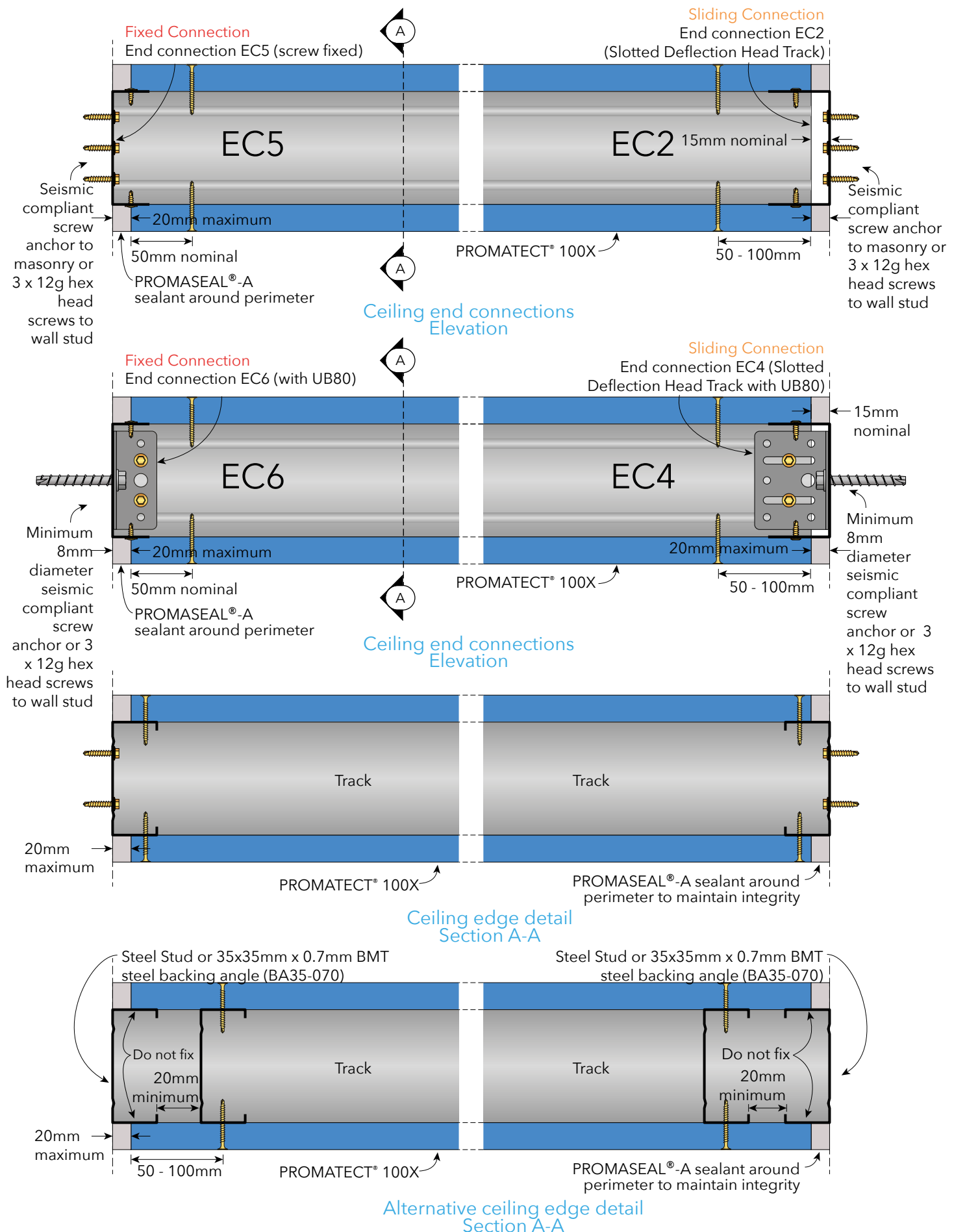
Ceiling Span Table

Steel Size	Centres (mm)	Fire from Below Only Span (mm)	Fire from above or below span (mm)
92 x 1.15	600	3040	1060
92 x 1.15	400	3450	1960
150 x 1.15	600	4230	2260
150 x 1.15	400	5010	2670
C15019	600	4810	3290
C15019	400	5620	3900
C15024	600	5190	3630
C15024	400	5970	4270
C20024	600	6630	4600

Further data on spans with alternate centres and steel configurations can be found in the assessment

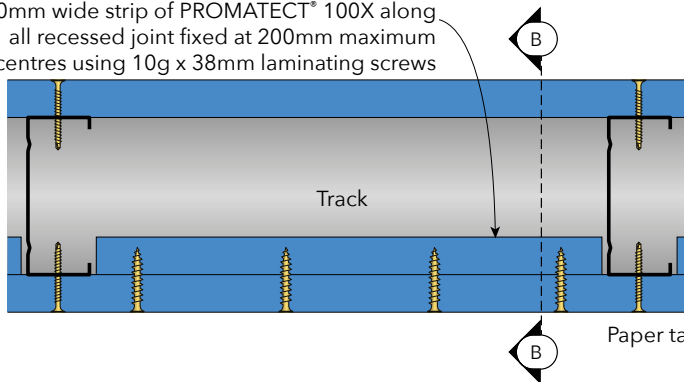


PROMATECT® 100X Stud Ceiling - Seismic Ceiling Type A1 Fixed / Sliding

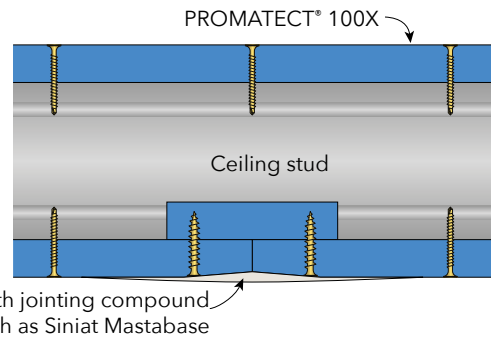


PROMATECT® 100X Stud Ceiling - Seismic Ceiling Type A1 Fixed / Sliding

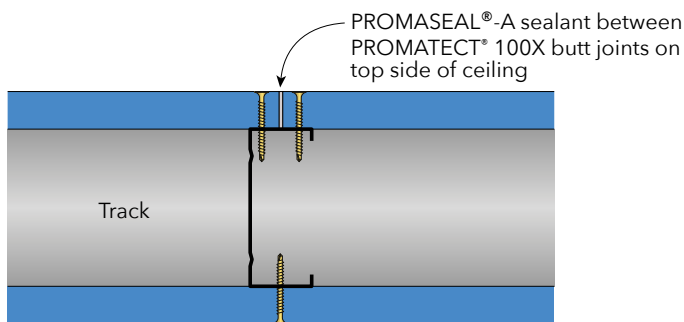
100mm wide strip of PROMATECT® 100X along all recessed joint fixed at 200mm maximum centres using 10g x 38mm laminating screws



Ceiling recessed joint backing strip
Elevation

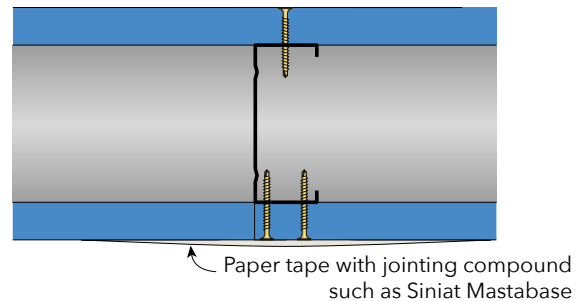


Ceiling recessed joint backing strip
Section B-B

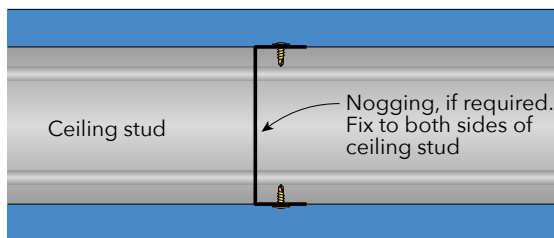


PROMATECT® 100X

Ceiling butt joint on above side
Elevation

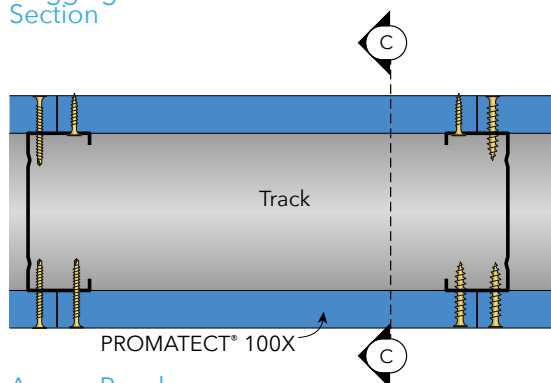


Ceiling butt joint on below side
Elevation

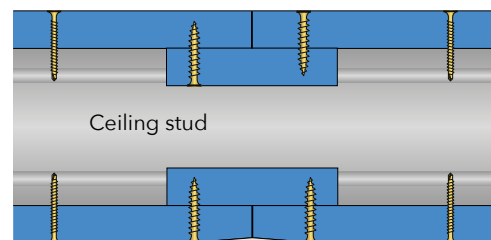


PROMATECT® 100X

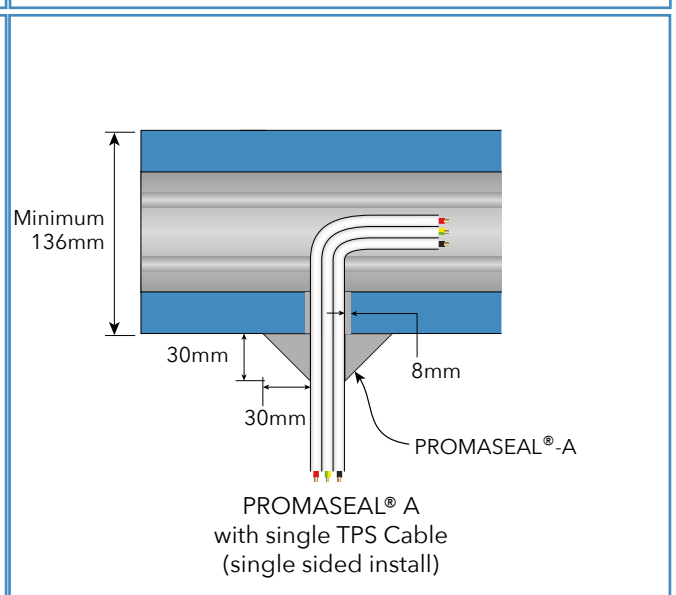
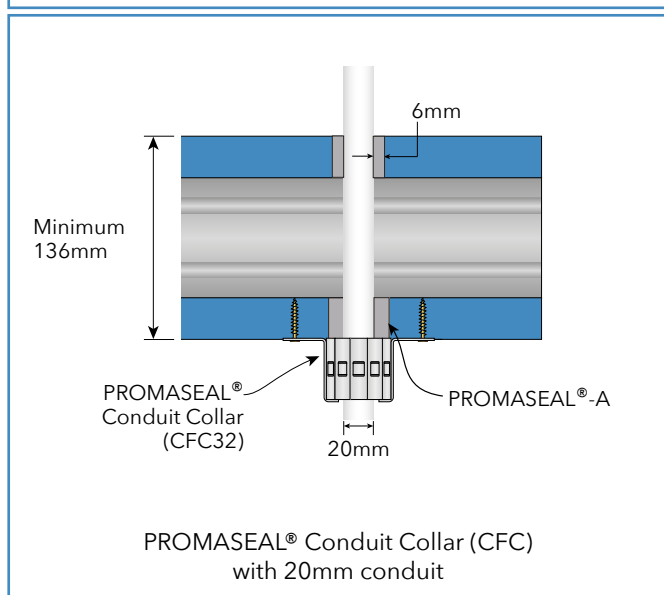
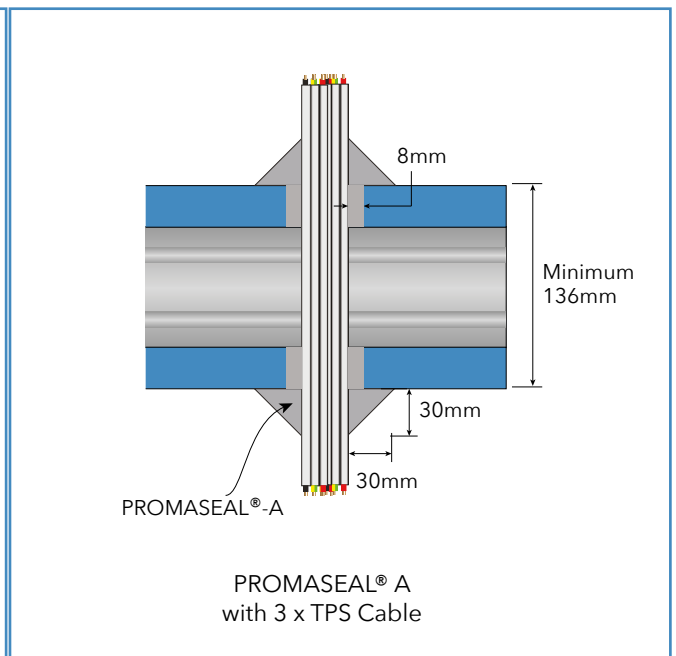
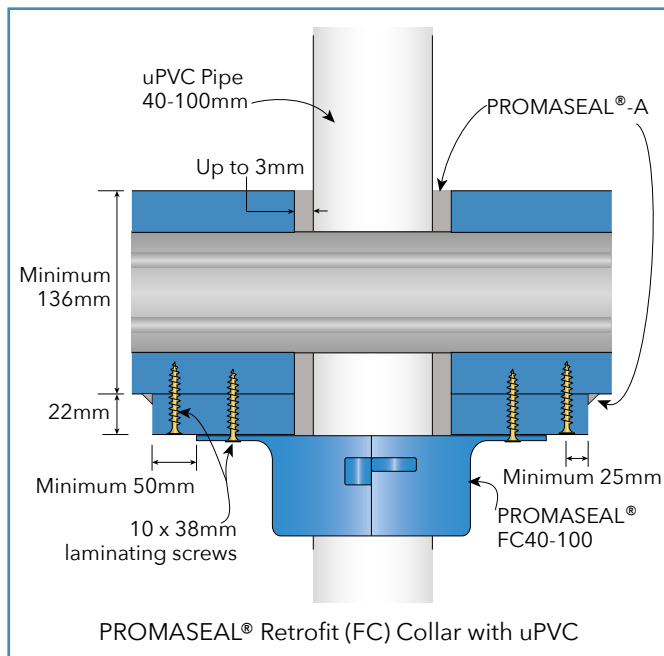
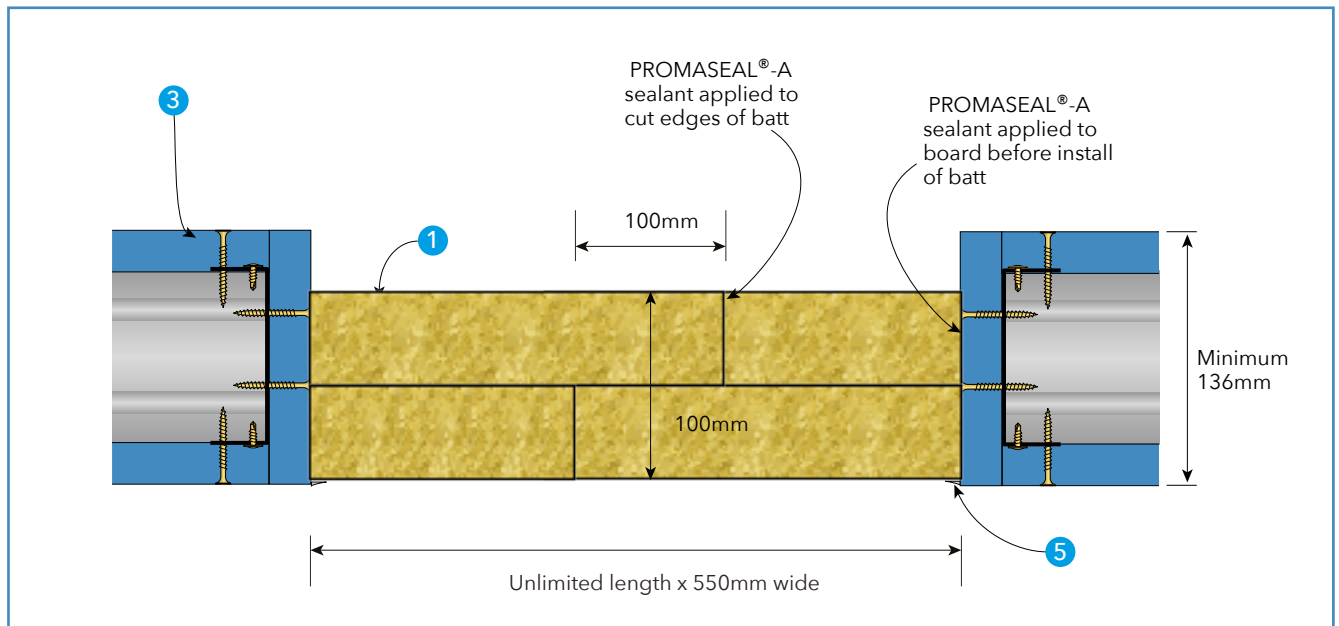
Nogging
Section

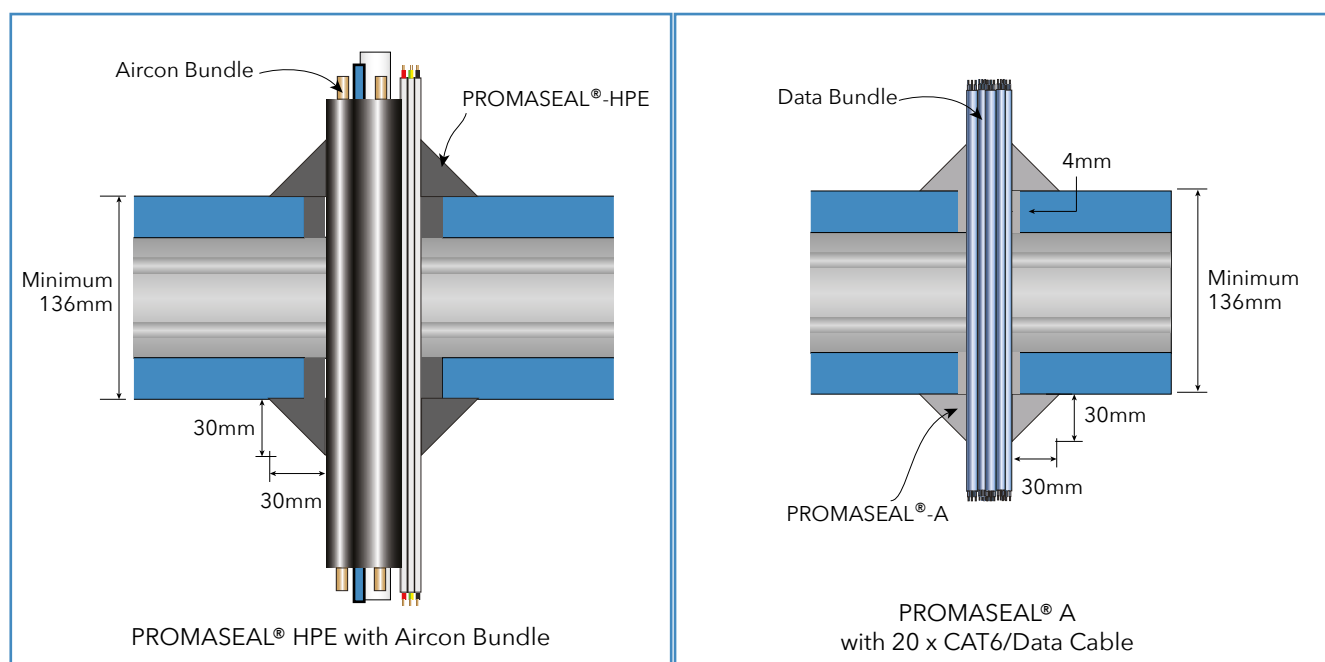


Access Panel
Section



Access Panel joint backing strip
Section C-C





Service	Size / Number	Protection Method	FRL
uPVC Pipe	40mm	PROMASEAL® FC Collar + thickening to ceiling side only	-/120/120
uPVC Pipe	50mm	PROMASEAL® FC Collar + thickening to ceiling side only	-/120/120
uPVC Pipe	65mm	PROMASEAL® FC Collar + thickening to ceiling side only	-/120/120
uPVC Pipe	80mm	PROMASEAL® FC Collar + thickening to ceiling side only	-/120/120
uPVC Pipe	100mm	PROMASEAL® FC Collar + thickening to ceiling side only	-/120/120
TPS Cable	3	PROMASEAL® A - 30x30mm cone	-/120/120
TPS Cable (One face only)	1	PROMASEAL® A 30x30mm cone	-/120/120
uPVC Conduit	20mm	PROMASEAL® Conduit Collar (CFC)	-/120/120
Opening with services* or blank	550mm wide x unlimited length	PROMASEAL® Bulkhead Batts	-/120/120

* For full details on approved services refer to PROMASEAL® Bulkhead Batt installation guide or approvals

Appendix A

Structural Testing NCC Spec 6

- Specification 6 of the NCC calls for Structural testing for lightweight constructions used as walls. This consists of pressure and impact testing.
- PROMATECT®-100X has been subjected to the required tests and the results are shown below

Static Pressure

- 1kPa - Passed, no damage.
- Test Report 20620
- Suitable for all walls

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Impact

- Maximum live deflection: 14mm
- Maximum permanent deflection: 0mm
- Test Report: 20620
- Suitable for all walls

Surface Indentation

- Passed, Indentation <5mm
- Test Report 20620
- Suitable for all walls



Etex Australia

South Australia office

1 Scotland Road
SA 5031 Mile End South
☎ 1800 Promat (776 628)
☎ +61 8 8352 1014
✉ PAPL.mail@etexgroup.com

New South Wales office

Unit 1, 175 Briens Road
Northmead, NSW 2152
☎ 1800 Promat (776 628)
☎ +61 2 9630 0258
✉ PAPL.mail@etexgroup.com

Victoria office

10-20 Jordan Close
Altona, VIC 3018
☎ 1800 Promat (776 628)
☎ 1800 334 598
✉ PAPL.mail@etexgroup.com

Queensland office

80 Stradbroke St
Heathwood QLD 4110
☎ 1800 011 376
☎ 1800 334 598
✉ PAPL.mail@etexgroup.com

promat.com



PROMATECT® 100X
Product information