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4.6 Weather Defence

weather defence™ is a 13mm thick external sheathing board (also known as a rigid air barrier) which is used behind facade cladding systems to create a pressure equalised cavity. **weather defence™** forms part of the weatherproofing system for an external wall of a building and can often replace wall sarking.

weather defence™ provides a weather resistive layer to prevent moisture ingress and excessive air leakage of a building. Installations using **weather defence™** can achieve airtightness targets that contribute to a building's energy efficiency and allow any glasswool insulation in the cavity to perform as intended by avoiding wind washing.

weather defence™ can be left exposed to the weather for up to 12 months before being covered by external cladding.

This section includes wall systems, installation and construction details for non-fire and fire rated **weather defence™** external walls.

Refer to Section 3.1 and Section 3.3 for the installation of internal linings. Refer to the **weather defence™** Bushfire installation guide for bushfire applications.

weather defence™ has been tested to AS/NZS 4284 *Testing of building facades*, and can be used wherever non-combustible materials are required by the National Construction Code (NCC).



Features

- > High vapour permeability (Class 4) meaning it is suitable for most climate zones
- > Tested to AS/NZS 4284 Testing of building facades with EQUITONE® and other cladding
- > Fully recyclable gypsum core
- > Low embodied carbon to manufacture
- > Not classified as hazardous according to Safe Work Australia criteria.

Benefits

- > Weather resistive (water and air) layer
- > Breathable layer (with high vapour permeability)
- > Can be left exposed for up to 12 months
- > Improves external wall acoustic and thermal performance
- > May be used wherever a non-combustible material is required according to NCC 2022 Volume One, C2D10 (6) (a), and Volume Two H3D2 (1) (a)
- > Enclose buildings faster so the interior fitout can start sooner
- > Easy to cut, shape and install without specialist cutting equipment or segregated areas.

Applications

weather defence™ is designed to be installed on residential, multi-residential, commercial, office, health-care, education and public buildings. Typically **weather defence™** is installed on:

- > Light weight steel stud framing
- > Timber stud framing, and
- > Modular buildings.

weather defence™ is recommended for use in climate zones 2 to 8. In climate zone 1, it is recommended to apply a vapour control layer over the external surface.

Table 1 Weather Defence Properties

Property	Result	Reference
Vapour permeance	1.52 µg/Ns (Class 4)	AS/NZS 4100.1 and ASTM E96
Vapour resistance	0.7 MNs/g	ASTM E96
Resistance to water penetration	Pass	AS/NZS 4201.4
Resistance to mould growth	10/10 (no mould growth)	ASTM D3273

Properties

Fire Hazard Properties

The National Construction Code (NCC) regulates the fire hazard properties of coverings and lining materials in buildings according to NCC 2022 Volume One, C2D11. Floor linings and coverings must have a high enough critical radiant flux to comply with NCC 2022 Volume One, C2D11, while internal wall and ceiling linings must have a low enough group number. The group number indicates how quickly wall and ceiling linings spread fire, with Group 1 products ranked the slowest and Group 4 the fastest.

Table 2 Product Group Number

Product	Group Number	Average Specific Extinction Area (m ² /kg)
weather defence	1	less than 250

Combustibility

weather defence™ is a plasterboard manufactured to meet the requirements of AS/NZS 2588:2018 - *Gypsum plasterboard*. As such, it is considered to limit the spread of fire; therefore in accordance with NCC 2022 Volume One, C2D10 (6) (a), and NCC 2022 Volume Two, H3D2 (1) (a), plasterboard may be used wherever non-combustible materials are required by the NCC.

Thermal 'R' Value

The R-Value of plasterboard is a measure of its thermal insulation ability. Higher numbers indicate a better insulator. The values* for plasterboard are:

- > 13mm plasterboard = 0.076 m².K/W

*Values calculated from thermal conductivity of plasterboard listed in NCC of 0.17 W/mK



SSW770								
	<ul style="list-style-type: none"> • 1 layer of 10mm mastashield or watershield • Minimum 70mm steel stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 1 layer of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 							
	Fire Resistance Level 30/30/30 rated from the outside only Report FC20363							
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 25%;">Stud Size (mm)</th> <th style="width: 50%;">Sound Insulation without external cladding Rw (Rw + Ctr)</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">Pink® Partition 75mm R1.8</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">Report Insul</td> </tr> <tr> <td style="text-align: center;">70</td> <td style="text-align: center;">40 (30)</td> </tr> </tbody> </table>	Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)			Pink® Partition 75mm R1.8	Report Insul	70
Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)							
	Pink® Partition 75mm R1.8	Report Insul						
70	40 (30)							

SSW771								
	<ul style="list-style-type: none"> • 1 layer of 10mm mastashield or watershield • Minimum 70mm steel stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 2 layers of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 							
	Fire Resistance Level 90/90/90 rated from the outside only Report FC20363							
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 25%;">Stud Size (mm)</th> <th style="width: 50%;">Sound Insulation without external cladding Rw (Rw + Ctr)</th> <th style="width: 25%;"></th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">Pink® Partition 75mm R1.8</td> <td rowspan="2" style="text-align: center; vertical-align: middle;">Report Insul</td> </tr> <tr> <td style="text-align: center;">70</td> <td style="text-align: center;">46 (35)</td> </tr> </tbody> </table>	Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)			Pink® Partition 75mm R1.8	Report Insul	70
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	Pink® Partition 75mm R1.8	Report Insul						
70	46 (35)							

SSW780								
	<ul style="list-style-type: none"> • 1 layer of 13mm fireshield or multishield or impactshield or trurock • Minimum 70mm steel stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 1 layer of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 							
	Fire Resistance Level -/60/60 and 30/30/30 rated from both directions Report FC20363							
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	Pink® Partition 75mm R1.8	Report Insul						
70	43 (33)							

SSW776								
	<ul style="list-style-type: none"> • 2 layers of 13mm fireshield or multishield or impactshield or trurock • Minimum 70mm steel stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 1 layer of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 							
	Fire Resistance Level -/90/90 and 30/30/30 rated from the outside 90/90/90 rated from the inside Report FC20363							
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	Pink® Partition 75mm R1.8	Report Insul						
70	47 (38)							



SSW784										
	<ul style="list-style-type: none"> • 1 layer of 16mm fireshield or multishield or trurock • Minimum 70mm steel stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 2 layers of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 	<p>Fire Resistance Level</p> <p>90/90/90 rated from the outside</p> <p>60/60/60 rated from the inside</p> <p>Report FC20363</p>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Stud Size (mm)</th> <th colspan="2">Sound Insulation without external cladding Rw (Rw + Ctr)</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="2" style="text-align: center;">Pink® Partition 75mm R1.8</td> </tr> <tr> <td style="text-align: center;">70</td> <td style="text-align: center;">48 (40)</td> <td style="text-align: center;">Report Insul</td> </tr> </tbody> </table>	Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)			Pink® Partition 75mm R1.8		70	48 (40)	Report Insul
	Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)								
	Pink® Partition 75mm R1.8									
70	48 (40)	Report Insul								

SSW782										
	<ul style="list-style-type: none"> • 2 layers of 13mm fireshield or multishield or impactshield or trurock • Minimum 70mm steel stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 2 layers of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 	<p>Fire Resistance Level</p> <p>-/120/120 and 90/90/90 rated from both directions</p> <p>Report FC20363</p>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Stud Size (mm)</th> <th colspan="2">Sound Insulation without external cladding Rw (Rw + Ctr)</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="2" style="text-align: center;">Pink® Partition 75mm R1.8</td> </tr> <tr> <td style="text-align: center;">70</td> <td style="text-align: center;">51 (44)</td> <td style="text-align: center;">Report Insul</td> </tr> </tbody> </table>	Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)			Pink® Partition 75mm R1.8		70	51 (44)	Report Insul
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TSW770								
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TSW771								
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70	45 (34)							

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70	47 (34)							

TSW782								
	<ul style="list-style-type: none"> • 2 layers of 13mm fireshield or multishield or impactshield or trurock • Minimum 70mm timber stud framing at 600mm maximum centres • Minimum Pink® Partition 75mm R1.8 insulation • 2 layers of 13mm weather defence • External cladding as nominated in the 'Exterior Cladding' table 							
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Stud Size (mm)	Sound Insulation without external cladding Rw (Rw + Ctr)							
	Pink® Partition 75mm R1.8	Report Insul						
70	50 (39)							

Typical Installation

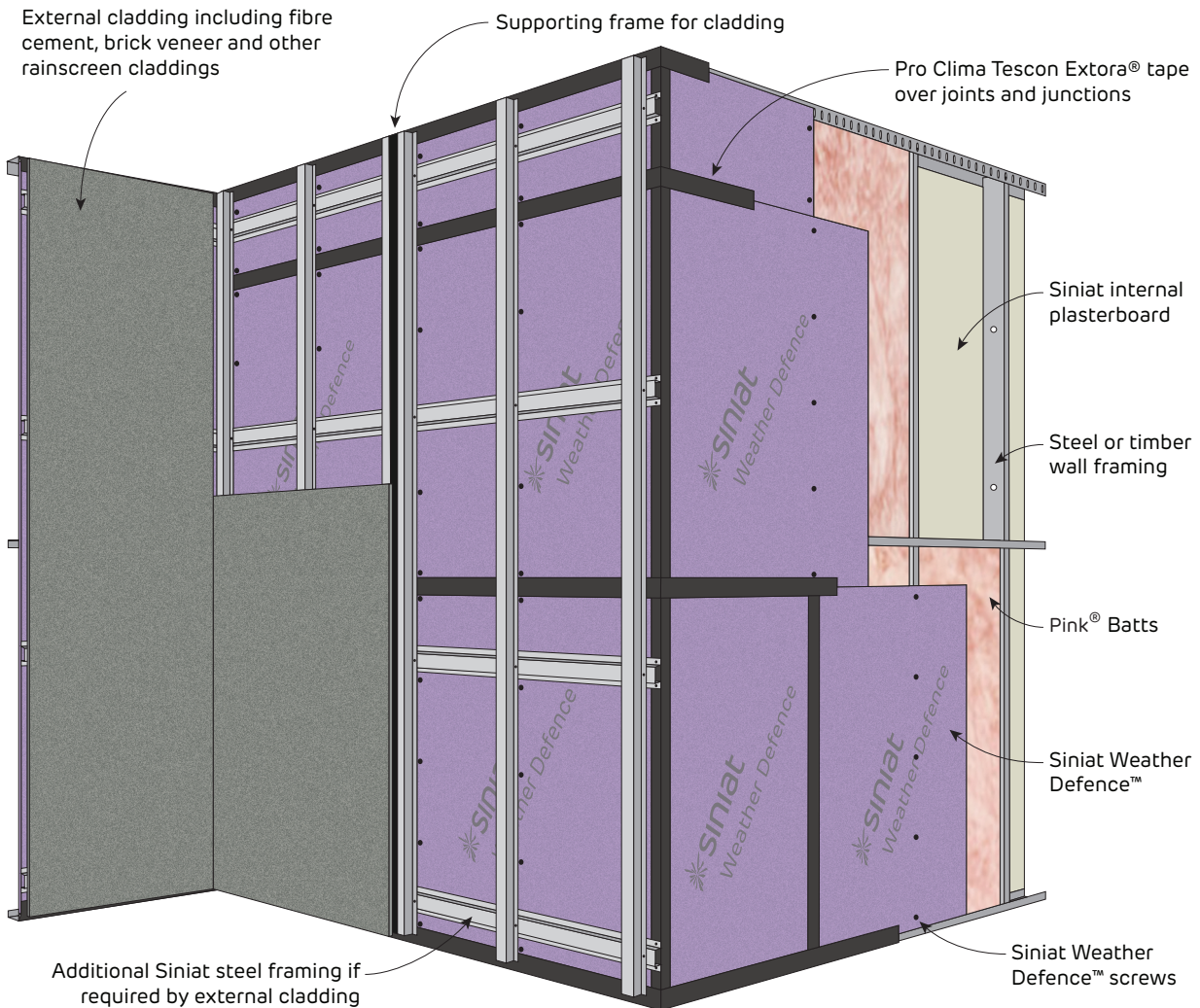


FIGURE 1 Typical Weather Defence Installation
Perspective

Weathertightness

The construction details shown are limited to the approved wind pressure limits of the chosen cladding system. The cladding details shown are to be used as a guide only, and tested details of a cladding manufacturer should take precedence.

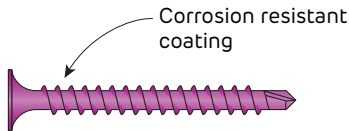
weather defence™ has been tested with **EQUITONE®** to *AS/NZS 4284 Testing of building facades* for the purpose of compliance with NCC 2022 F3P1 and H2P2 to the following wind pressures:

- > Ultimate wind pressure ± 4.5 kPa
- > Serviceability wind pressure ± 2.5 kPa

Although **weather defence™** has been tested to AS/NZS 4284 with Equitone and other cladding, a facade engineer is required to generate a performance solution for any external facade in Class 2-9 buildings.

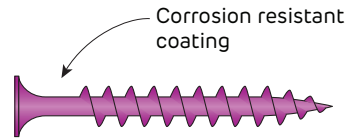
Components

Name	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/m ²)	Properties
weather defence™	13	1200	2400	11.7	



Product Code	Box screw
4084645	1000 screws

FIGURE 2 6g x 38mm Weather Defence Screw
 Fine thread drill point screw



Product Code	Box screw
4084646	1000 screws

FIGURE 3 6g x 42mm Weather Defence Screw
 Coarse thread needle point screw



Product Code	Length	Width
13206	30 m	60 mm
13280	30 m	100 mm
14891	30 m	150 mm

FIGURE 4 Pro Clima Tescon Extora®
 Flashing Tape - (Supplied by Pro Clima)



Product Code	Length	Width
14152	20 m	150 mm
14156	20 m	200 mm

FIGURE 5 Pro Clima Tescon Extoseal®
 Sill Tape - (Supplied by Pro Clima)
 Note: Can be used as a substitute for Tescon Extora® Flashing Tape



i Wet Seal Connection Tape may be omitted as long as sealant manufacturer can confirm compatibility with Pro Clima's Tescon Extora® and Tescon Extoseal®

Product Code	Length	Width
16849	30 m	38 mm

FIGURE 6 Pro Clima Tescon® WS
 Wet Seal Connection Tape - (Supplied by Pro Clima)



Product Code	Length	Width
13599	20 m	50 mm

FIGURE 7 Pro Clima Tescon® Naideck
 Double sided self sealing strip (Supplied by Pro Clima)



General Requirements

Install control joints in weather defence™ walls:
<ul style="list-style-type: none"> > At every slab level > At all control joints in the structure > At any change in the substrate
Jointing of weather defence™ is not required.
Protect weather defence™ from water pooling at ground level.
Avoid gaps in cladding that let sunlight through as the flashing tape may degrade over time.
Attach top hats or other cladding framing through weather defence™ to the structural frame.
Attach all fixtures to studs, purpose installed noggings or blocking. Wall anchors or screws must not be fixed only to weather defence™ .
For multiple layer wall systems, the underlying layer of weather defence™ may be substituted with multishield .

Framing

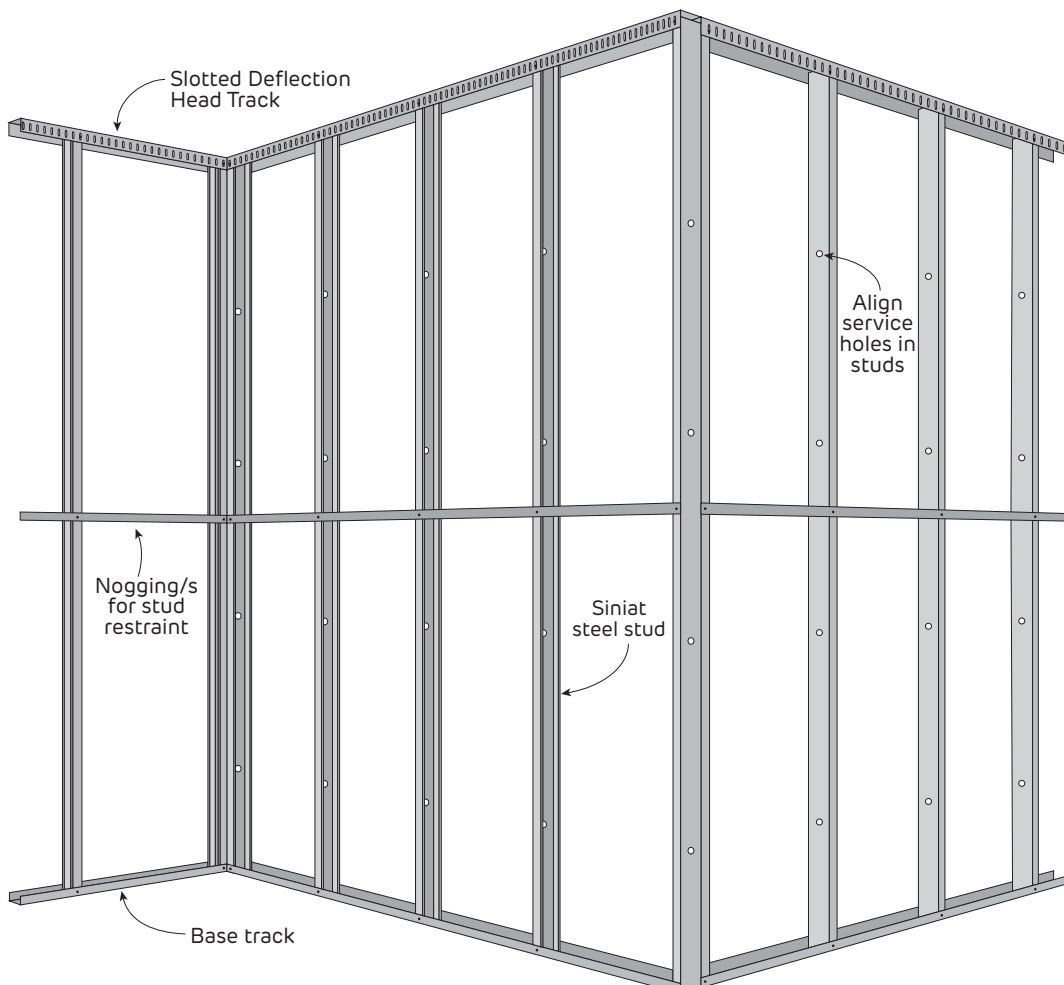


FIGURE 8 Typical External Steel Frame Wall Layout
Perspective




Framing continued

Steel framing members up to 600mm maximum spacing and designed in accordance with AS/NZS 4600 *Cold formed steel structures* or NASH Standard for Residential and Low-rise steel framing.

Timber framing members up to 600mm maximum spacing and designed in accordance with AS 1720 *Timber structures* or AS/NZS 1684 *Residential timber framed construction*.

Structural wall designs must allow for the intended dead, live, wind and seismic loads in accordance with the AS/NZS 1170 series.

-  > Noggings are permitted to assist the fixing of services. Copper Chromium Arsenate (CCA) treated timber must not be used with steel framing.
- > Plumbing and electrical services must not protrude beyond the face of the studs.

Layout

Preferably, install **weather defence**™ boards with a 0-2mm gap around each sheet. Gaps of 10mm maximum between boards are permitted.

Horizontal Layout

Install **weather defence**™ boards horizontally across studs in a 'brick bond' pattern.

Curving

Minimum curve radius is 4m with 400mm maximum stud spacing. Note: smaller stud spacing may be required for wind loads.

Fix flat plate to studs corresponding with all horizontal board joints.



Fixing

Use Siniat **weather defence**[™] screws to fix **weather defence**[™] board to external wall framing.

Drive screws to just below the sheet surface, taking care not to break the fleece liner. For over-driven screws, install another screw 20mm away. Leave or remove the over-driven screw and patch with Pro Clima Tescon Extora[®] tape.

Use the 'Screw Only Method'. Stud adhesive is not permitted.

Cover screws with flashing tape for corrosivity zones C4 and C5 unless covered with wall wrap.

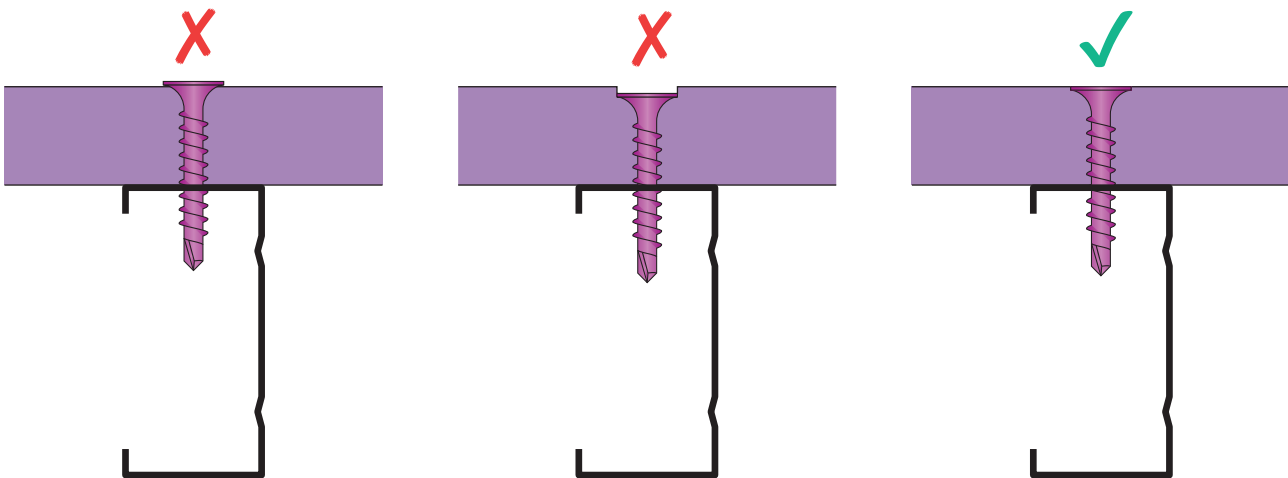


FIGURE 9 Screw Installation
Plan

Table 3 Screw Type for the Installation of **weather defence**[™] to Steel

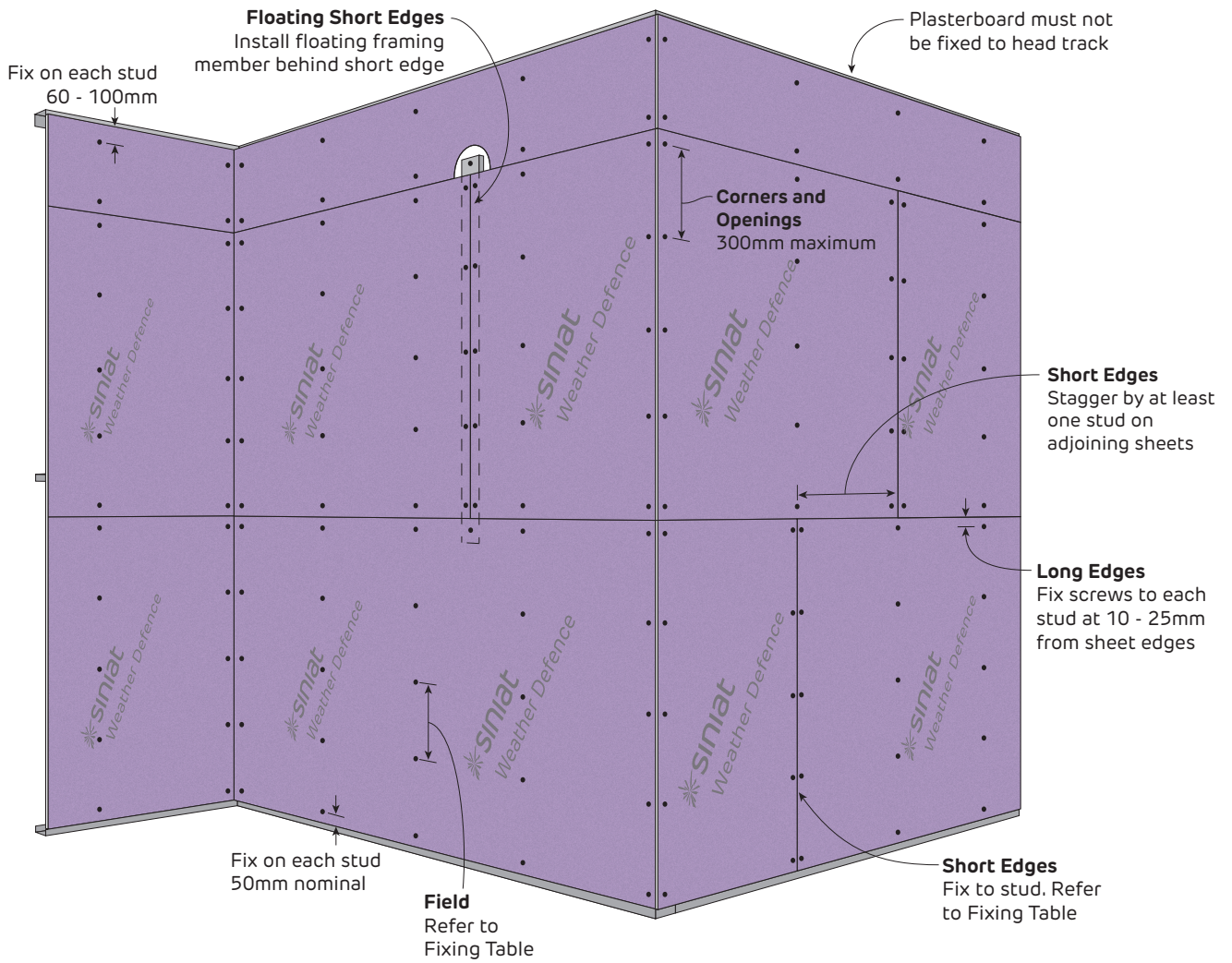
Plasterboard Thickness	1st Layer and 2nd Layer
13mm	6g x 38mm fine thread drill point weather defence [™] screw

Table 4 Screw Type for the Installation of **weather defence**[™] to Timber

Plasterboard Thickness	1st Layer and 2nd Layer
13mm	6g x 42mm coarse thread needle point weather defence [™] screw



FIGURE 10 1 Layer - Horizontal
Screw Only Method



Maximum Ultimate Limit State Wind Load Table (kPa)

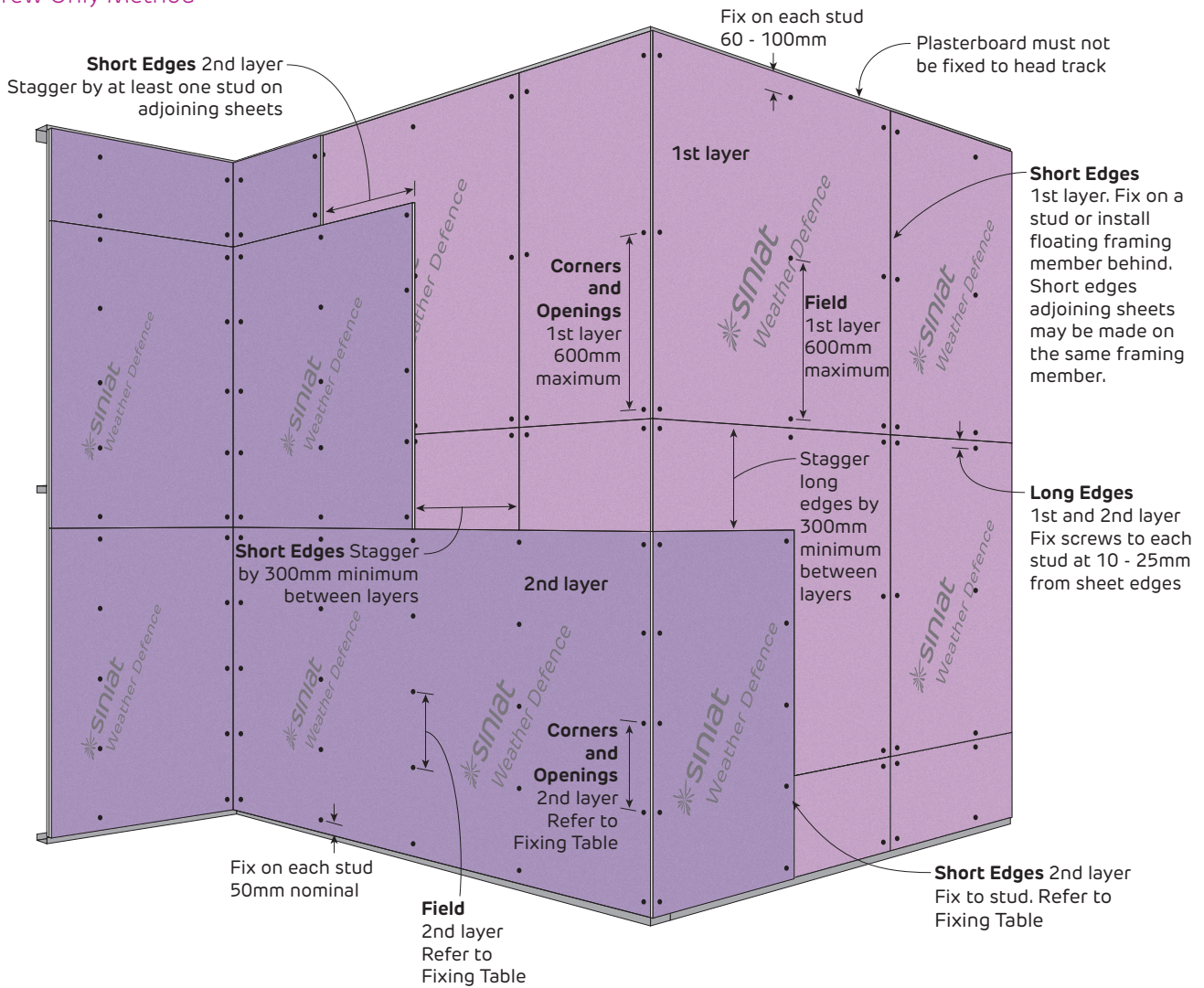
Fixing Pattern	Maximum Wall Stud Spacing			
	600mm	450mm	400mm	300mm
S S S S S (5)	1.31	1.74	1.96	2.62
S S S S S S (6)	1.64	2.18	2.46	3.28
S S S S S S S (7)	1.95	2.62	2.95	3.93
S S S S S S S S (8)	1.95	3.08	3.47	4.63

S = Screw. Screws evenly spaced along sheet width and located 10 - 25mm from sheet edges.

1. Calculations do not include the framing which must be independently designed to suit the desired loads.
2. If higher wind pressures are expected, please contact Siniat for specific design.



FIGURE 11 2 Layers - Horizontal + Horizontal
Screw Only Method



Maximum Ultimate Limit State Wind Load Table (kPa)

Fixing Pattern	Maximum Wall Stud Spacing			
	600mm	450mm	400mm	300mm
S S S S S (5)	1.31	1.74	1.96	2.62
S S S S S S (6)	1.64	2.18	2.46	3.28
S S S S S S S (7)	1.95	2.62	2.95	3.93
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S = Screw. Screws evenly spaced along sheet width and located 10 - 25mm from sheet edges.

1. Calculations do not include the framing which must be independently designed to suit the desired loads.
2. If higher wind pressures are expected, please contact Siniat for specific design.



Sealing

weather defence™ and other adjoining surfaces must be clean, dry and free of oil, dust and other particles or chemicals that could cause poor adhesion of tapes – contamination will impair adhesion.
Check the Pro Clima product data sheets for further information on Tescon Extora®, Tescon Extoseal® and Tescon Naideck®.
Starting at the bottom of the wall, apply Pro Clima Tescon Extora® tapes over the face layer of weather defence™ and other adjoining surfaces as shown in the construction details. Tapes must overlap joints in weather defence™ by 20mm minimum.
Apply with joint running along the centre of the tape – this will usually cover screw fixings. Peel backing paper from the tape as the operation progresses.
Apply without wrinkles or excessive tension in the tape. Firmly press, and smooth against weather defence™ , running over the tape with the applicator paddle to ensure adhesion.
Stop and start horizontal tapes around internal and external corners.
Adjoining tapes must overlap so water is directed away from weather defence™ and into the drained cavity.
Minimise the number of pieces of tape used to reduce the risk of gaps. Overlap tape ends by 100mm minimum where multiple pieces have to be used. Ensure overlaps are pressed firmly against board and fully sealed.
Patch tapes with additional 150mm pieces perpendicular to the original tape, rather than removing strips from weather defence™ and risking damage to the glass fibre based fleece.
Apply Pro Clima Tescon Extoseal® tapes around openings as shown in the construction details.
Pro Clima Tescon tapes are limited to an exposure period of 6 months. Tapes may be reapplied within the twelve months exposure period overlapping the top edge of the underlying tape so as to channel water away from the surface.
Where high levels of rain and airtightness are required, it is advised to use a hose to lightly spray water over the wall or openings to identify holes or gaps. If any gaps are present, then a re-application of the tapes / sealant will be required. Please note that applying water at high pressure or saturating will drive moisture into even the most tightly sealed installations. High pressure water testing must only be conducted after the installation of the external cladding.

Table 5 Application of Pro Clima products

Tape	Application
Tescon Extora® 60mm	Jointing
Tescon Extora® 100mm	Vertical control joints, internal and external corners, sides and top of openings
Tescon Extoseal® 150mm	92mm window / door openings
Tescon Extoseal® 200mm	150mm window / door openings
Tescon® Naideck 50mm	For under external cladding framing and under screws
Tescon® WS	For under sealant around external openings



Before Enclosing

Inspect weather defence [™] boards for any damage prior to closing off the sheathing layer and after extreme weather.
Minor damage to weather defence [™] can be repaired with the application of suitably sized pieces of Pro Clima Tescon Extora [®] or Extoseal [®] tapes that overlap the damage by 50mm minimum in all directions.
More extensive damage may require the replacement of the damaged section with a piece of weather defence [™] board cut to size and Pro Clima Tescon Extora [®] tape applied to all horizontal and vertical joints. Back all joints with framing and fix with weather defence [™] screws at 100mm maximum spacing.

Exterior Cladding

	Fire Rated
<p>The following cladding sheets or planks are not considered detrimental to the FRL of the wall:</p> <ul style="list-style-type: none"> > Innova fibre cement > Equitone fibre cement > Glass-fibre reinforced cement aggregate board > Wood or timber > Steel > Aluminium > PVC > Rendered polystyrene > Cladding fixed and supported independently of the wall. <p>For class 2 to 9 buildings, also refer to NCC Volume One Section C, CP2 Spread of fire requirements.</p>	✓
Fix cladding or cladding top hats to the steel frame through weather defence [™] .	✓



> Exterior cladding must provide protection from the weather once installed.

> Use construction techniques that direct condensation and rain away from plasterboard.

> Siniat recommends a drained cavity between the external cladding and **weather defence**[™] for weathertightness and durability.

> Top hats or cladding battens between external cladding and **weather defence**[™] do not change the FRL of the system.

> Horizontal and vertical top hats are shown in system images as an option to provide a drained and vented cavity as well as meet the NCC thermal break requirements. Alternatively, use a thermal break strip with insulated value R0.2 between the steel stud framing and external cladding.

**Non-Fire Rated
Construction Details**

i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

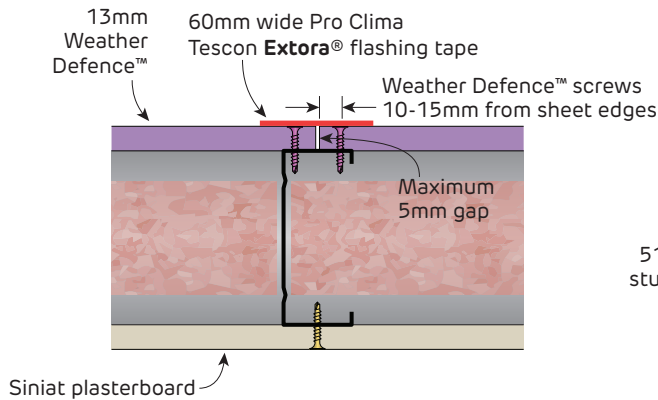


FIGURE 12 Vertical Joint
Plan

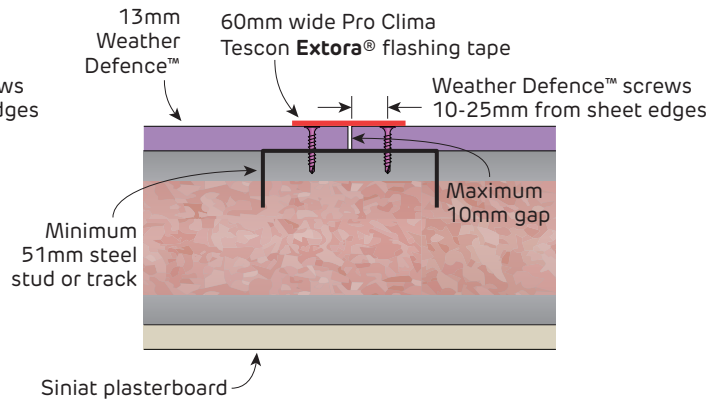


FIGURE 13 Floating Vertical Joint
Plan

i Colour of Pro Clima tape shown in details varies from actual product colour

i External cladding and associated framing not shown for clarity

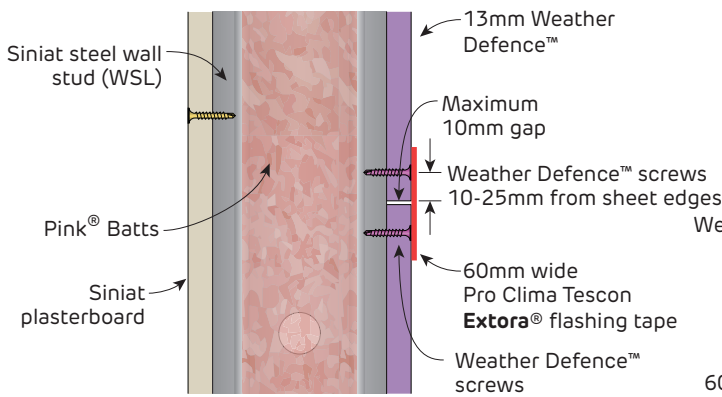


FIGURE 14 Horizontal Joint
Section

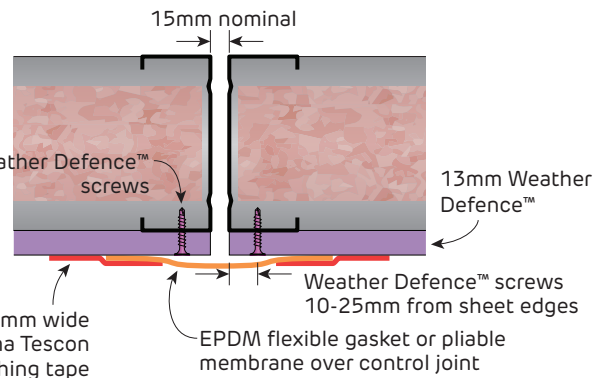


FIGURE 15 Vertical Control Joint
Plan

i External cladding and associated framing not shown for clarity

Apply Pro Clima Tescon® Naideck double sided strip under proprietary bracketry framing system

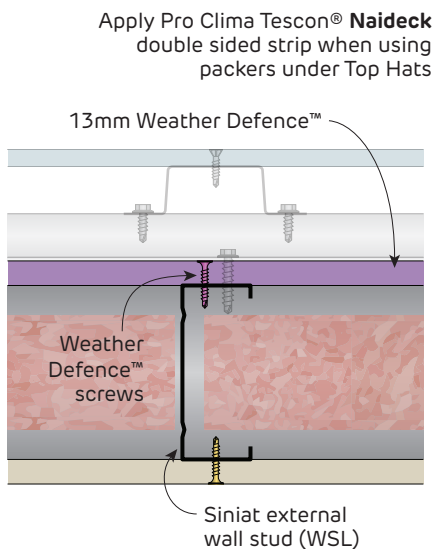


FIGURE 16 Weather Defence Installation with Top Hats
Plan

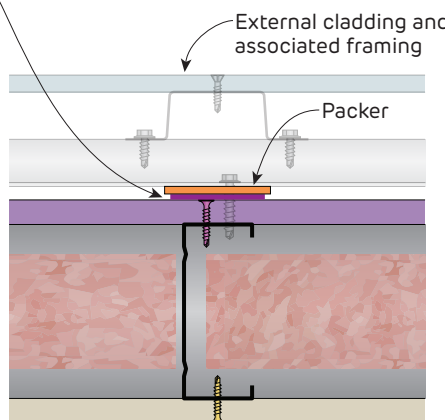


FIGURE 17 Weather Defence Installation with Packers under Top Hats
Plan

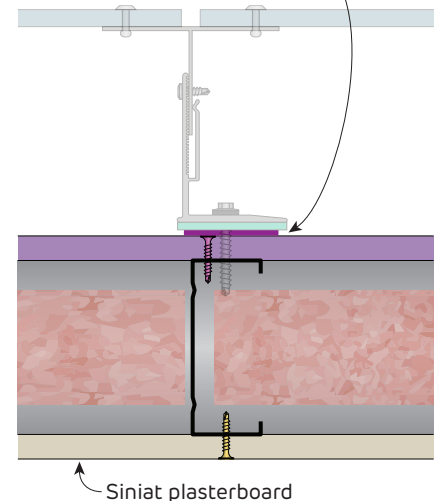


FIGURE 18 Weather Defence Installation with Bracketry Framing
Plan



**Non-Fire Rated
Construction Details**

i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

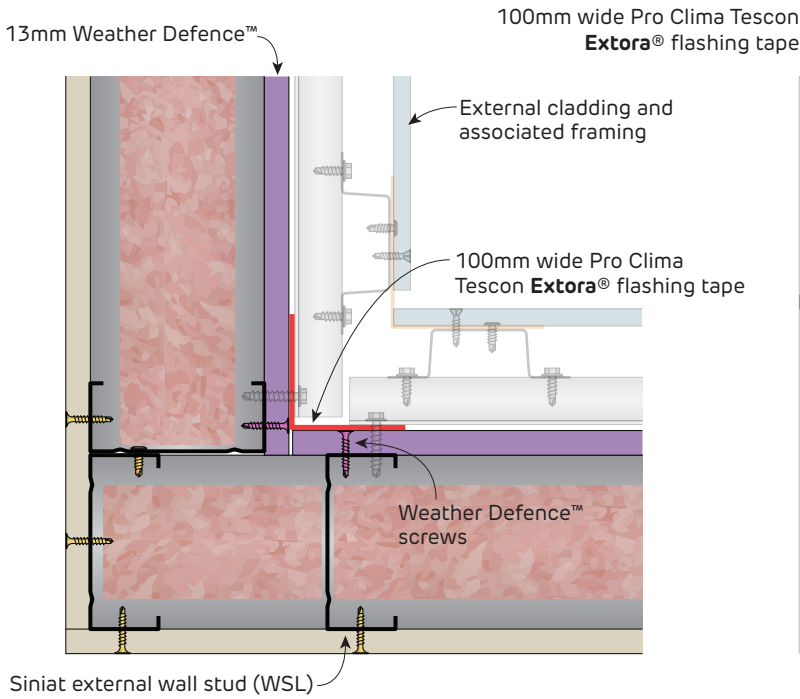


FIGURE 19 Exterior Internal Corner
Plan

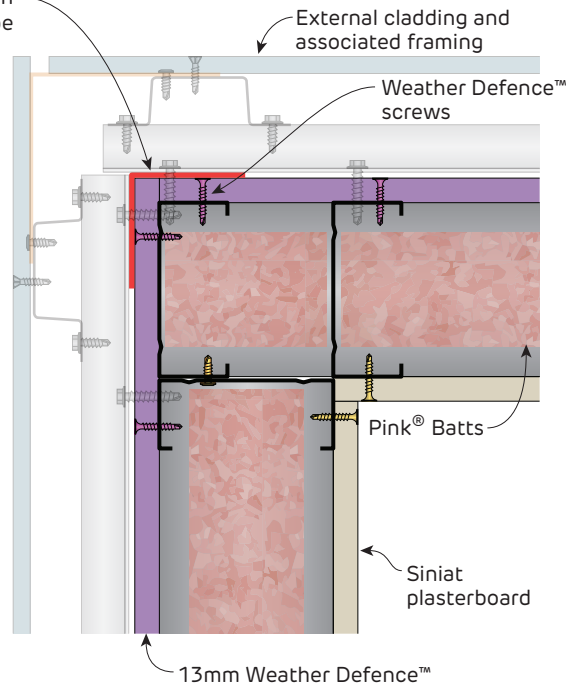


FIGURE 20 Exterior External Corner
Plan

i Colour of Pro Clima tape shown in details varies from actual product colour

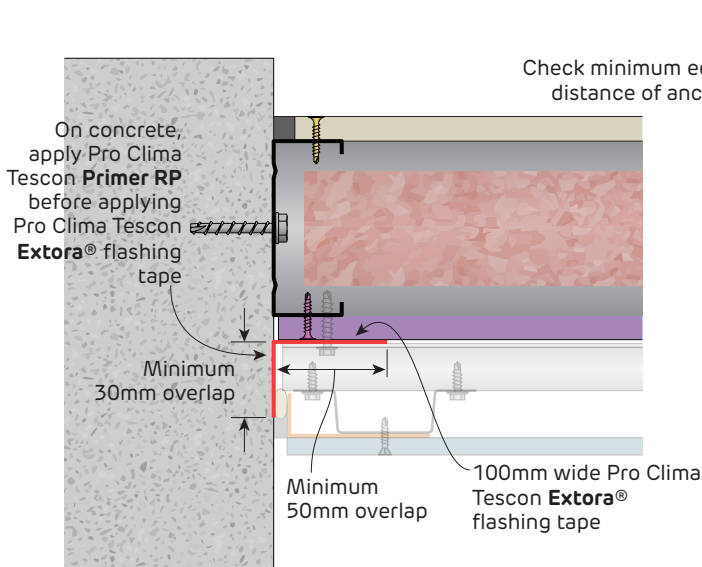


FIGURE 21 Wall to Concrete Column Detail
Plan

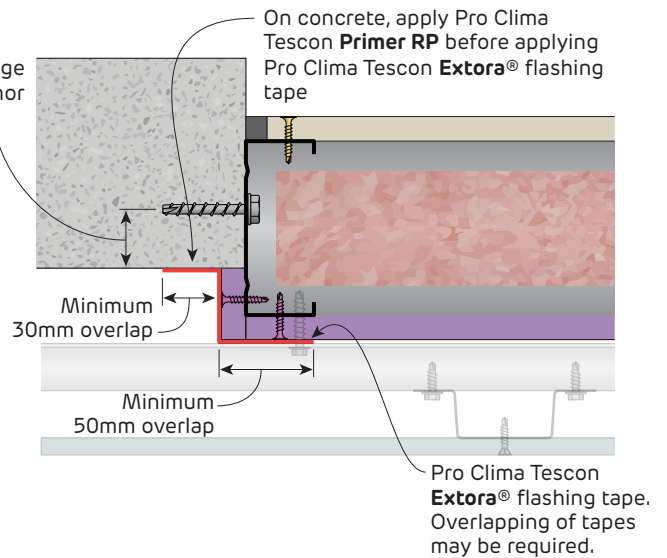
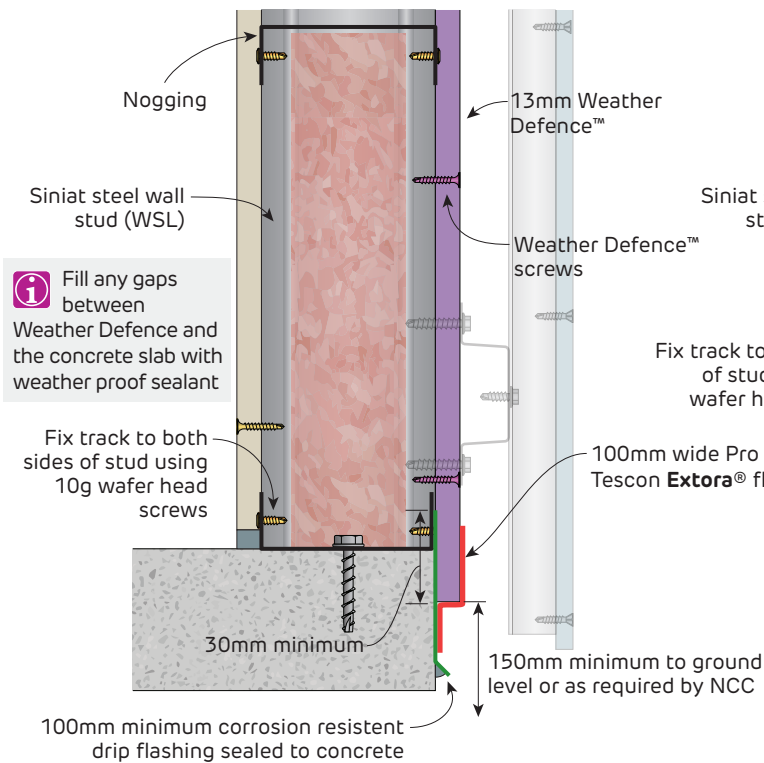


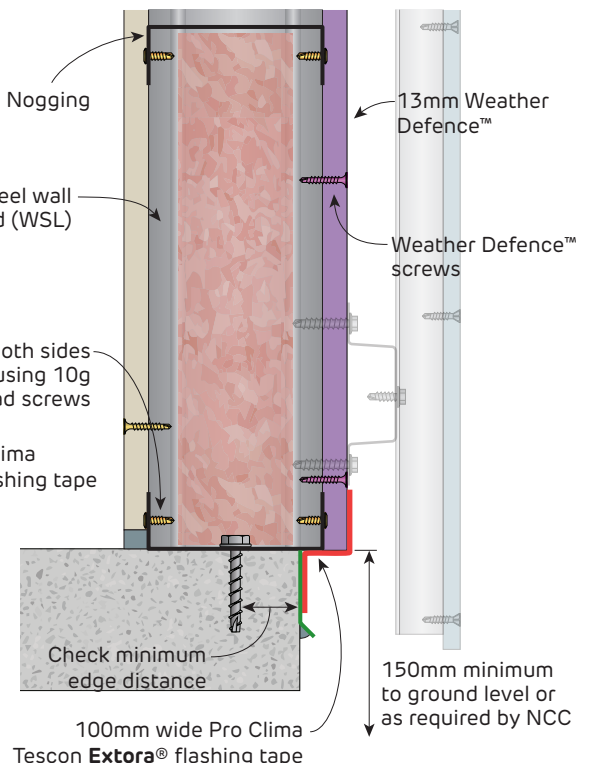
FIGURE 22 Wall to Concrete Column Detail
Plan

**Non-Fire Rated
Construction Details**

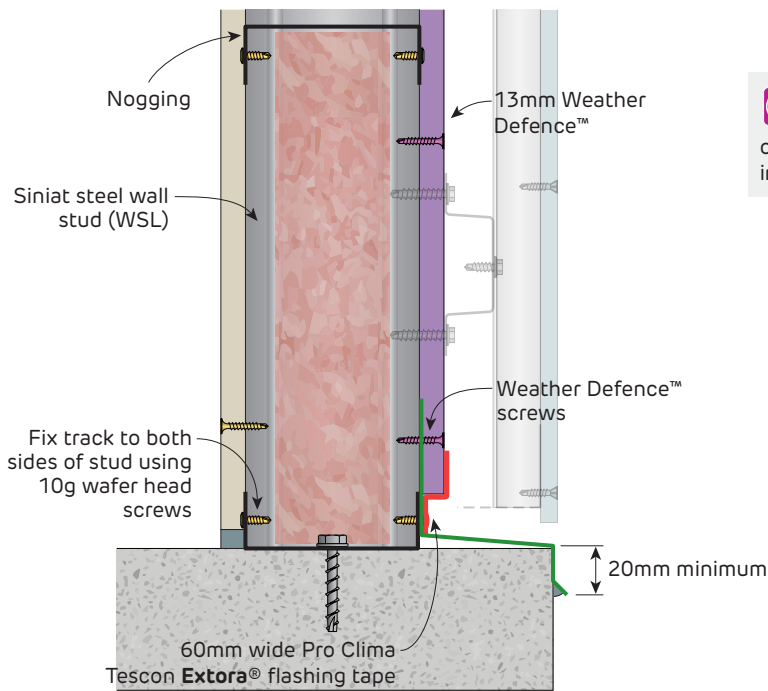
i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades.
*Marked details are not tested and their suitability must be confirmed by an appropriately qualified person.



**FIGURE 23 Wall Base to Concrete Slab*
Section**



**FIGURE 24 Wall Base to Concrete Slab*
Section**



**FIGURE 25 Wall Base to Concrete Slab
Section**

i Damp Proof Course (DPC) required under bottom tracks of external walls on ground slabs. DPC not required under internal walls and upper storeys.



Non-Fire Rated Construction Details

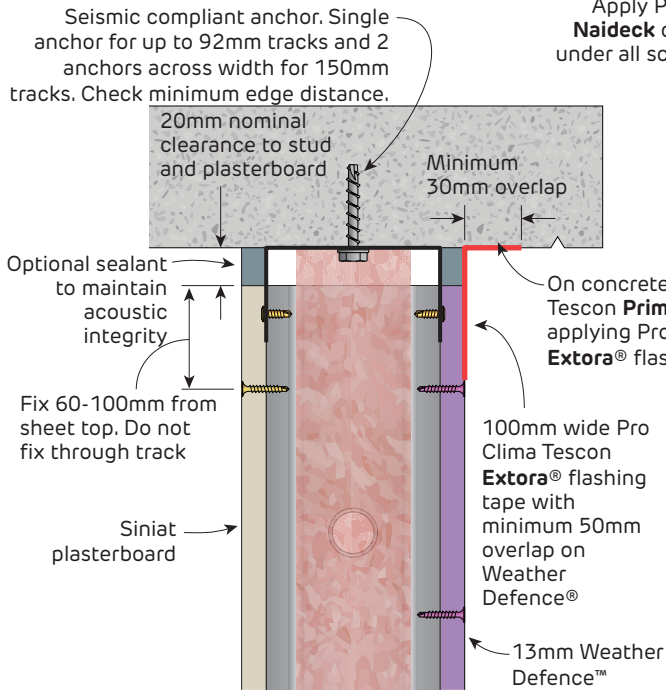


FIGURE 26 Wall Head to Concrete Slab* Slotted Deflection Head Track Section

Apply Pro Clima Tescon® **Naideck** double sided strip under all screw penetrations

i Details are based on testing with **EQUITONE®** cladding to pass **AS/NZS 4284 Testing of building facades**. *Marked details are not tested and their suitability must be confirmed by an appropriately qualified person.

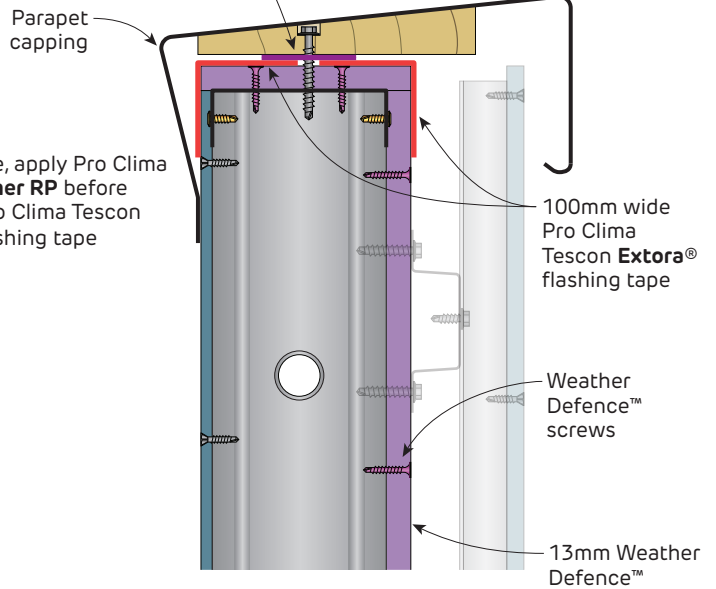
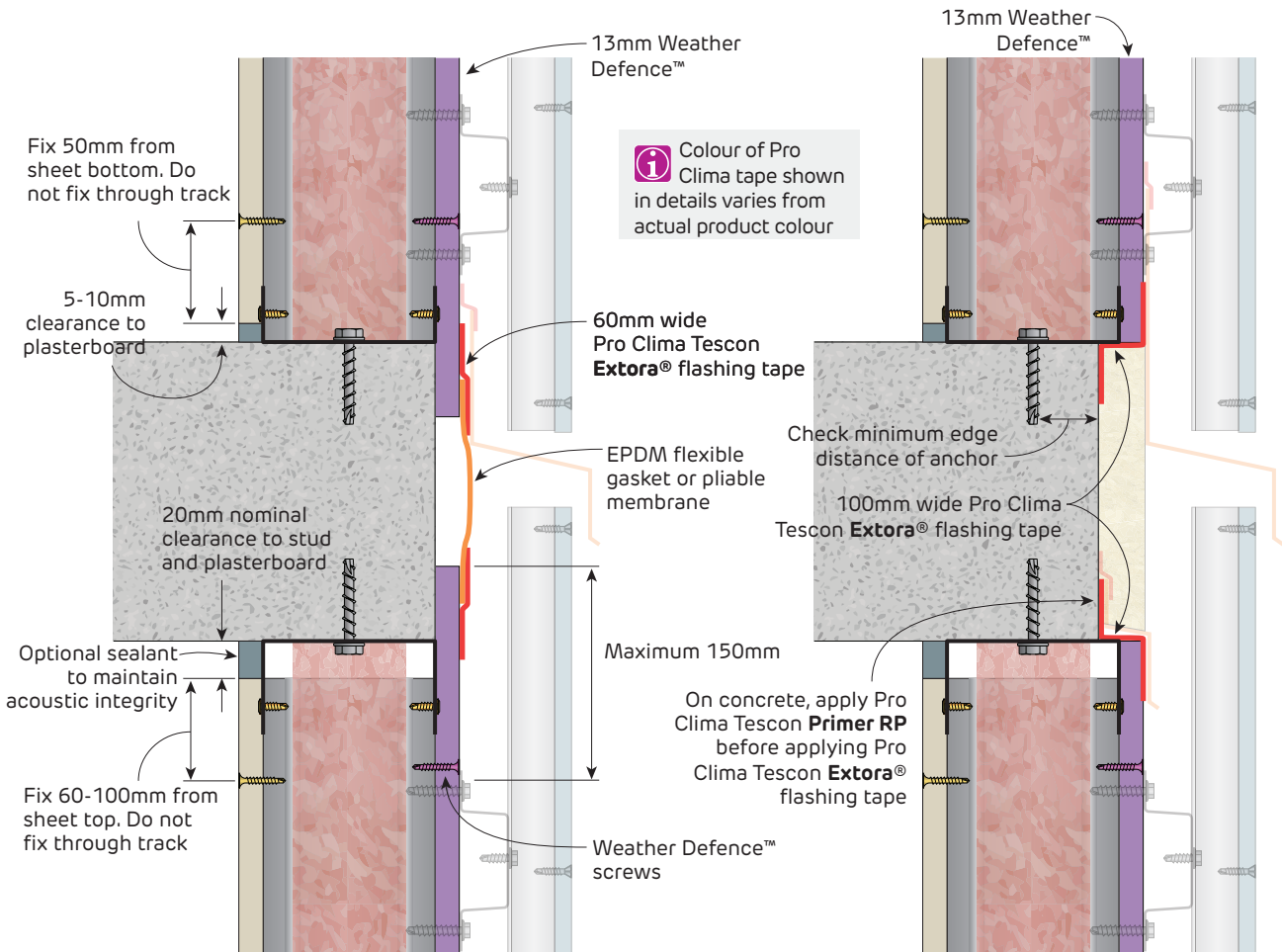


FIGURE 27 Wall Head to Parapet Section



i Colour of Pro Clima tape shown in details varies from actual product colour

FIGURE 28 Wall Head and Base over Suspended Slab Section

FIGURE 29 Wall Head and Base over Suspended Slab* Section

Non-Fire Rated Construction Details

Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades. *Marked details are not tested and their suitability must be confirmed by an appropriately qualified person.

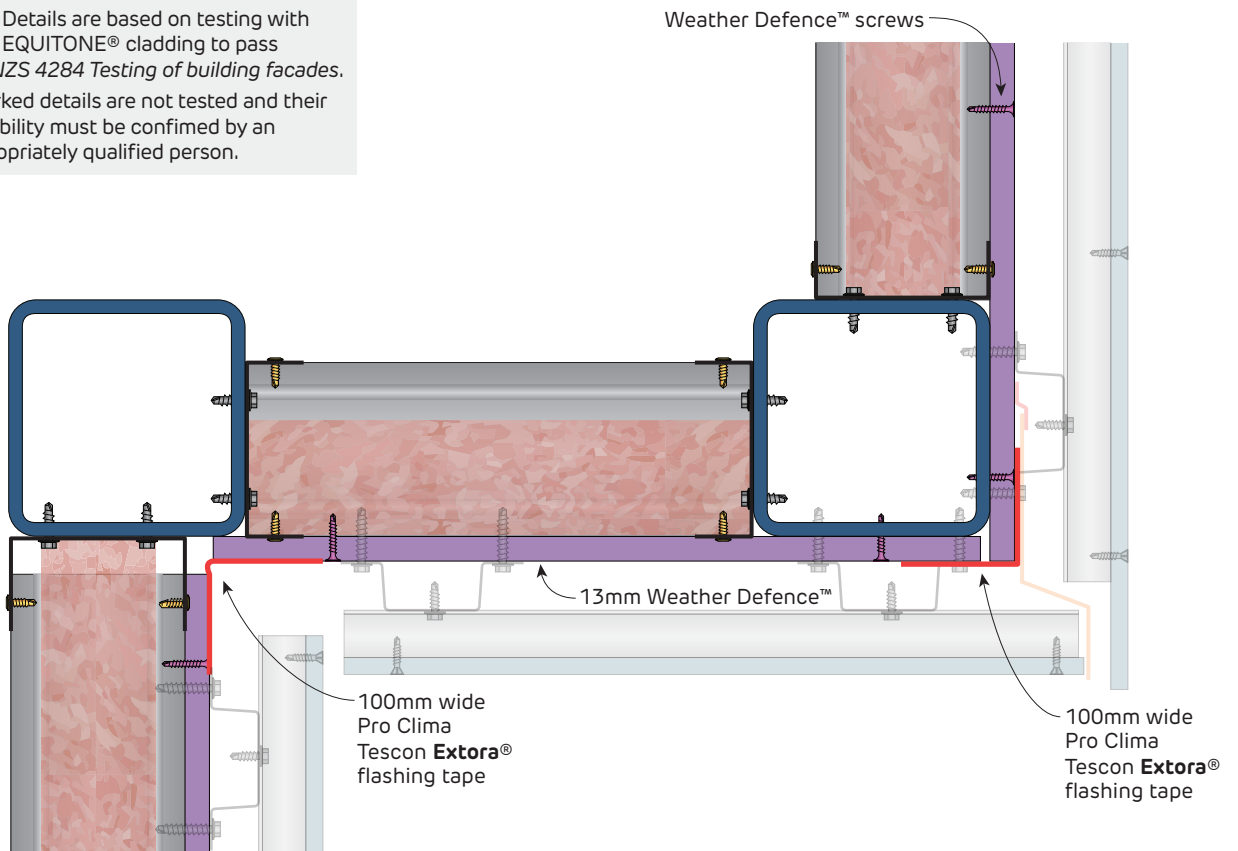
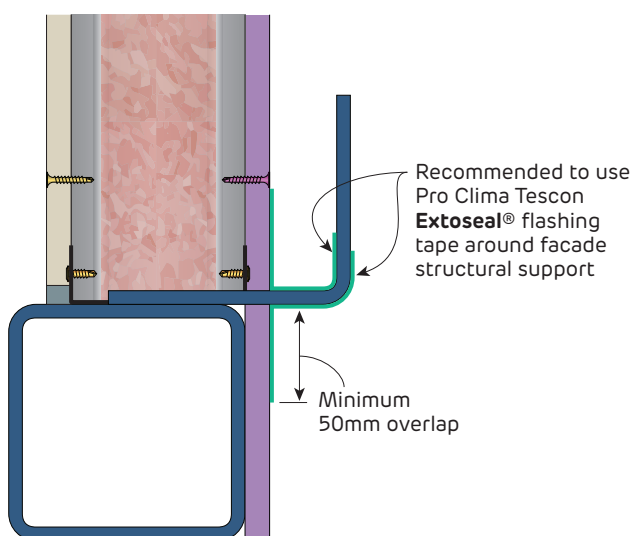


FIGURE 30 Soffit Junction
Section



Colour of Pro Clima tape shown in details varies from actual product colour

FIGURE 31 Facade Structural Support*
Section



Non-Fire Rated Construction Details

i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

i Colour of Pro Clima tape shown in details varies from actual product colour

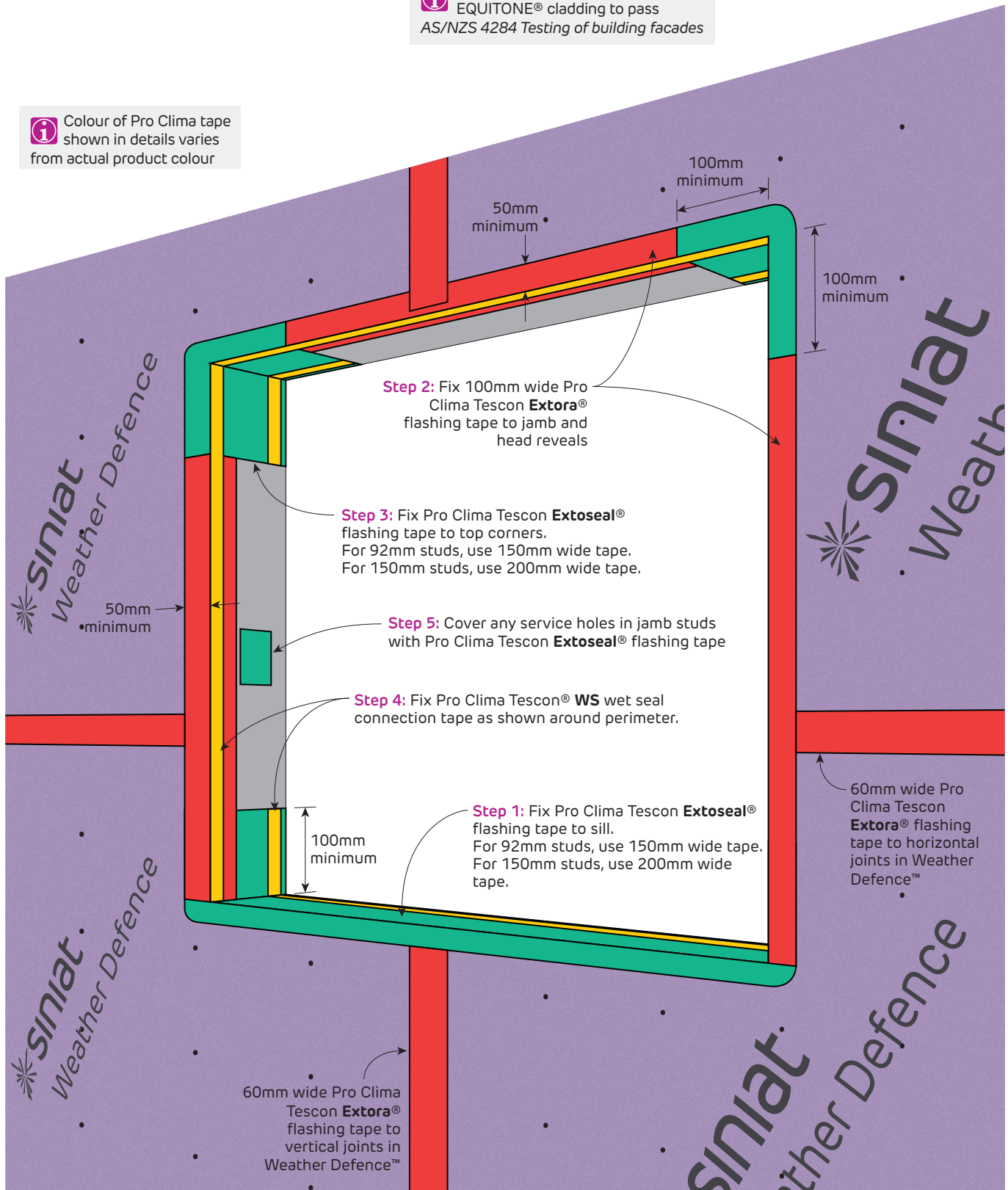


FIGURE 32 Flashing Tapes Around Openings
Perspective

**Non-Fire Rated
Construction Details**

i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

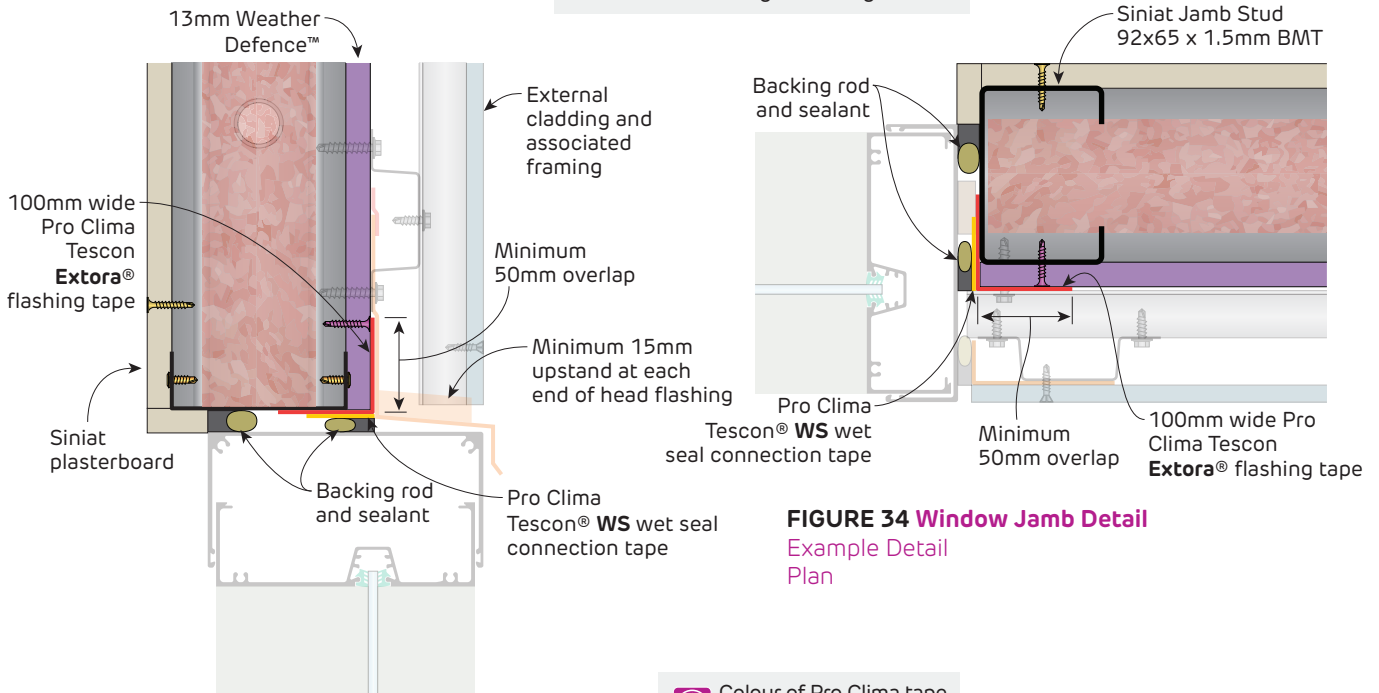


FIGURE 33 Window Head Detail
Example Detail Section

FIGURE 34 Window Jamb Detail
Example Detail Plan

i Colour of Pro Clima tape shown in details varies from actual product colour

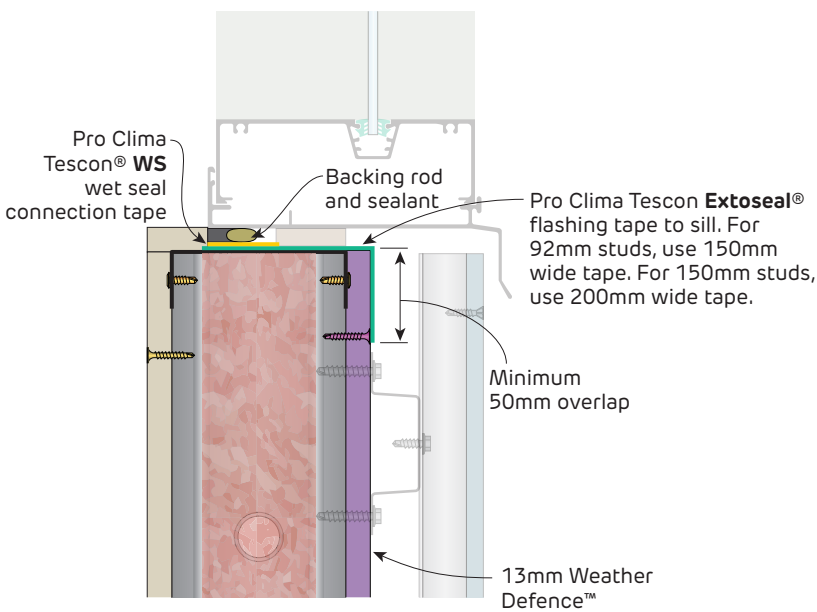


FIGURE 35 Window Sill Detail
Example Detail Section



**Non-Fire Rated
Construction Details**

i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

i Colour of Pro Clima tape shown in details varies from actual product colour

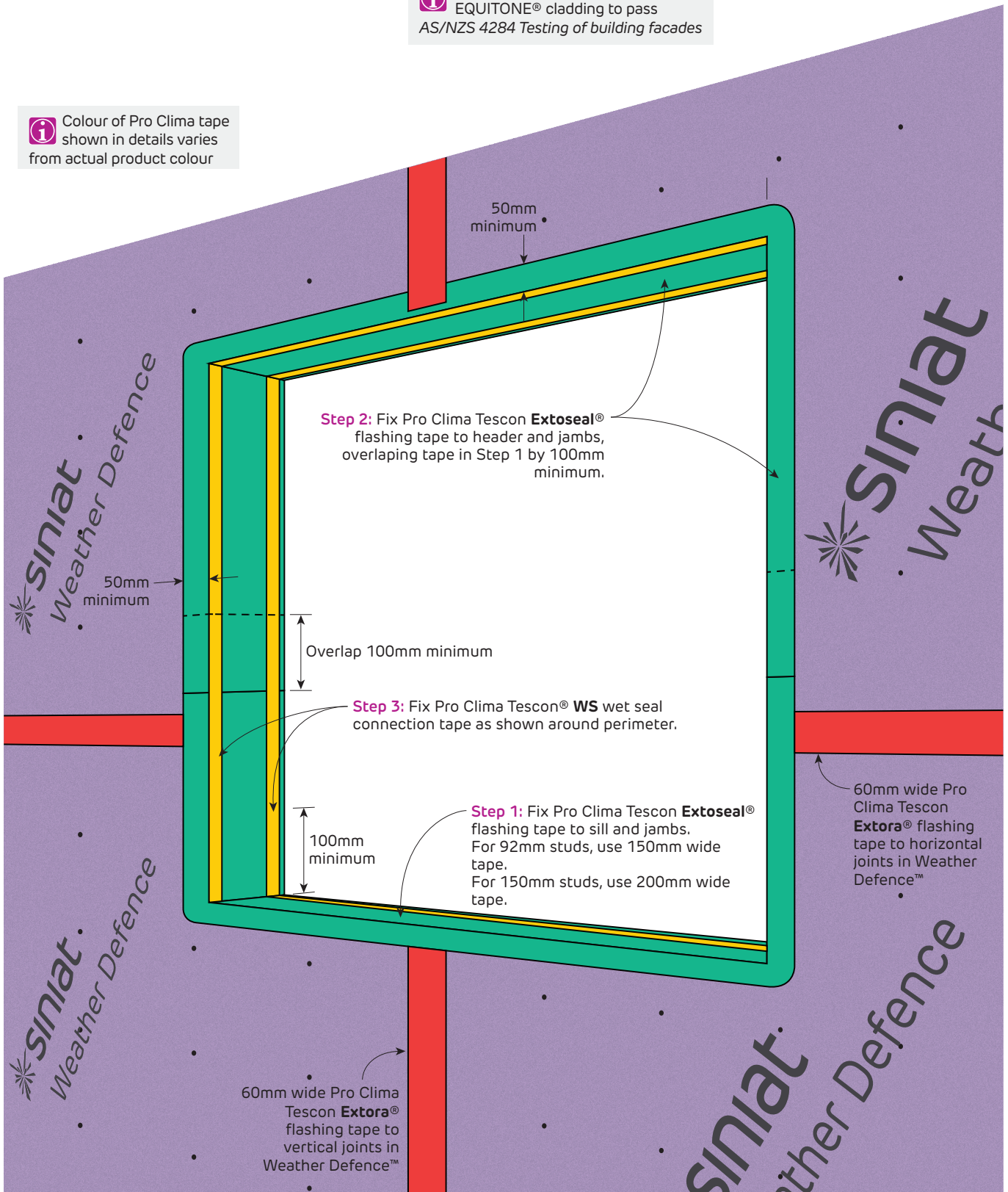


FIGURE 36 Alternative Flashing Tape Around Openings
Perspective

**Non-Fire Rated
Construction Details**

i Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

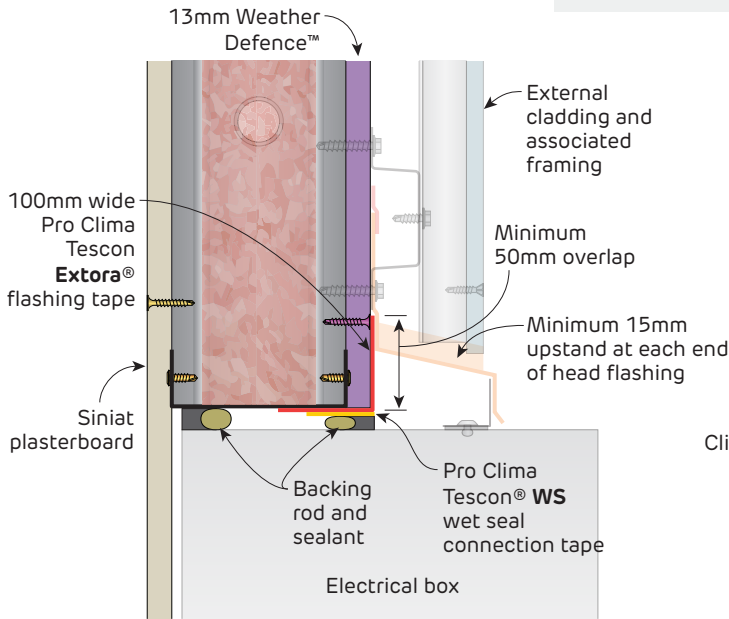


FIGURE 37 Electrical Box Detail
Example Detail
Section

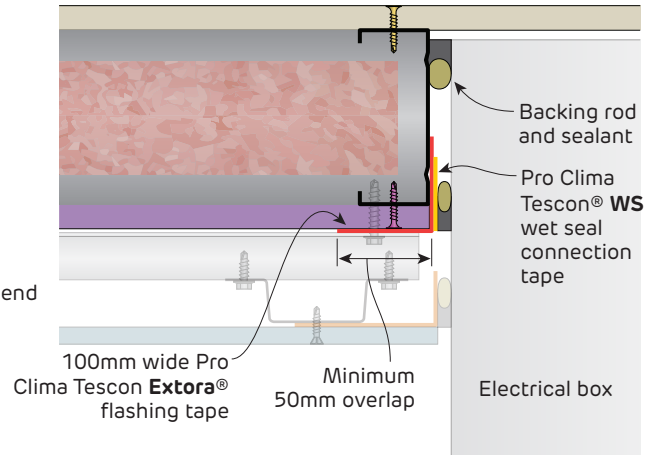


FIGURE 38 Electrical Box Detail
Plan

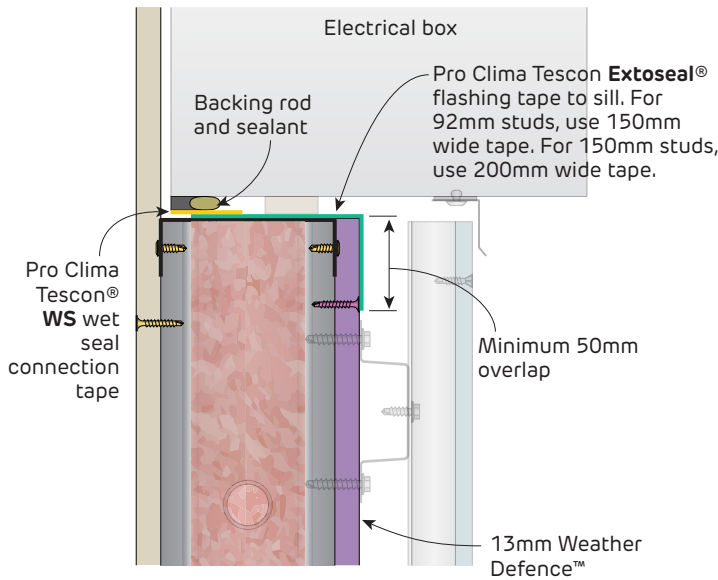


FIGURE 39 Electrical Box Detail
Example Detail
Section



**Non-Fire Rated
Construction Details**

Details are based on testing with EQUITONE® cladding to pass AS/NZS 4284 Testing of building facades

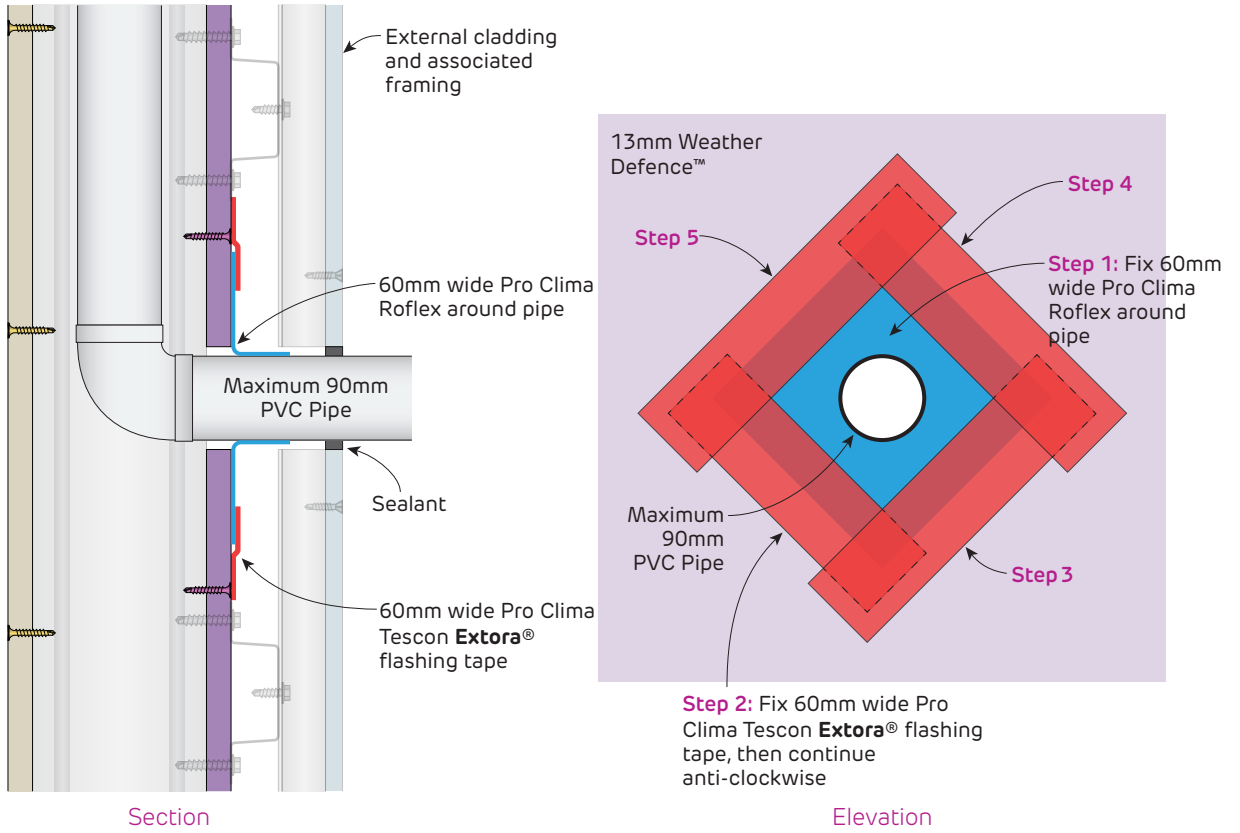


FIGURE 40 Drainage Outlet Detail

**Fire Rated
Construction Details**

i Fill any additional gaps with Bindex Fire and Acoustic sealant to maintain integrity

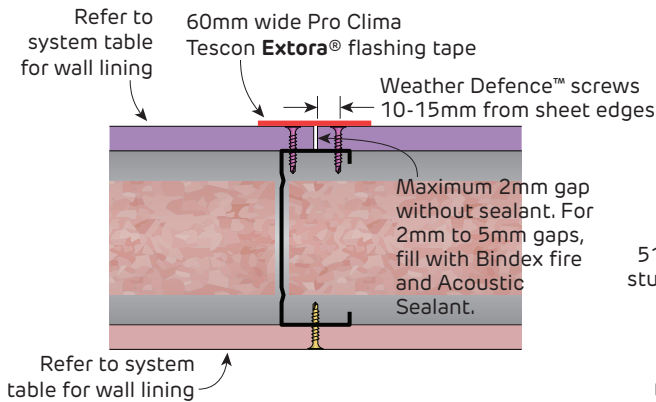


FIGURE 41 Vertical Joint
Plan

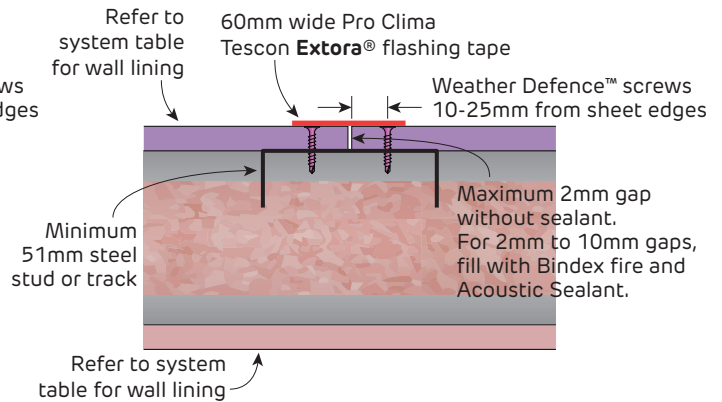


FIGURE 42 Floating Vertical Joint
Plan

i Colour of Pro Clima tape shown in details varies from actual product colour

i External cladding and associated framing not shown for clarity

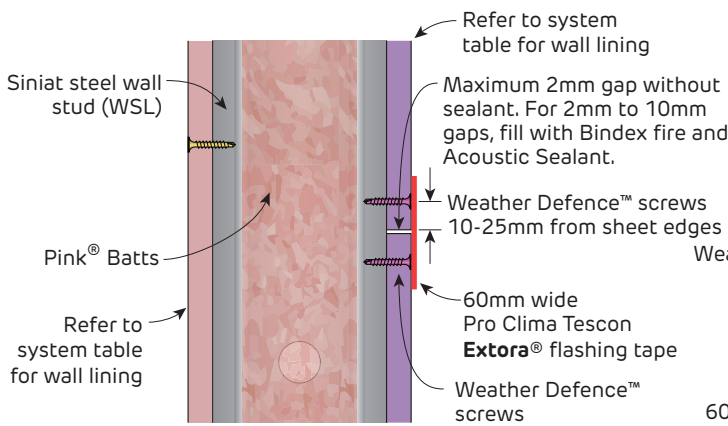


FIGURE 43 Horizontal Joint
Section

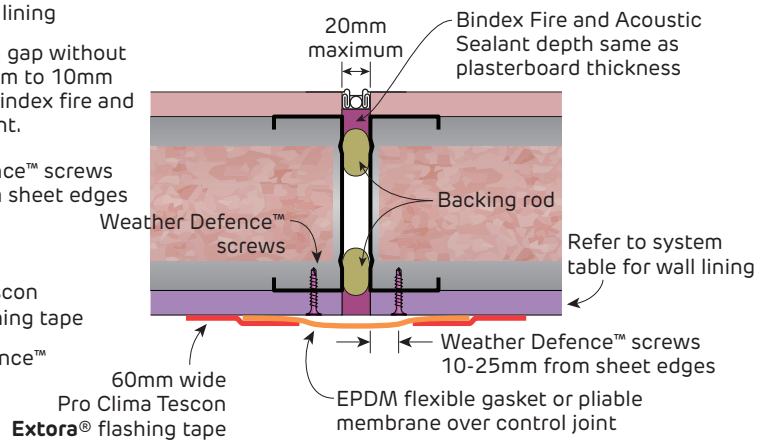


FIGURE 44 Vertical Control Joint
Plan

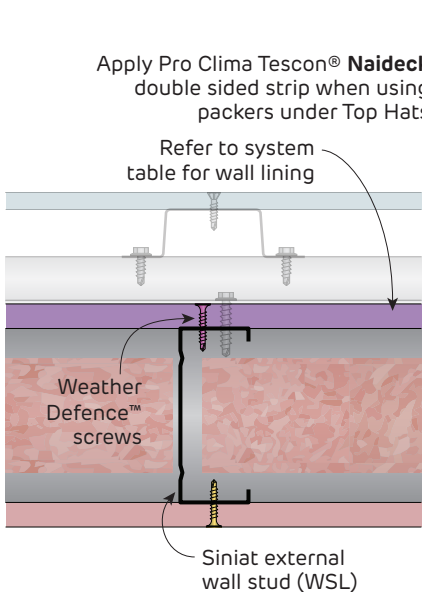


FIGURE 45 Weather Defence Installation with Top Hats
Plan

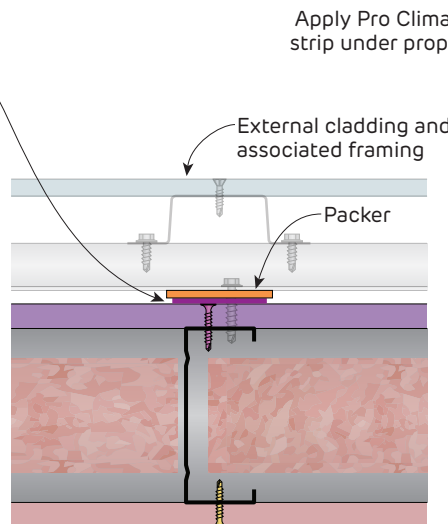


FIGURE 46 Weather Defence Installation with Packers under Top Hats
Plan

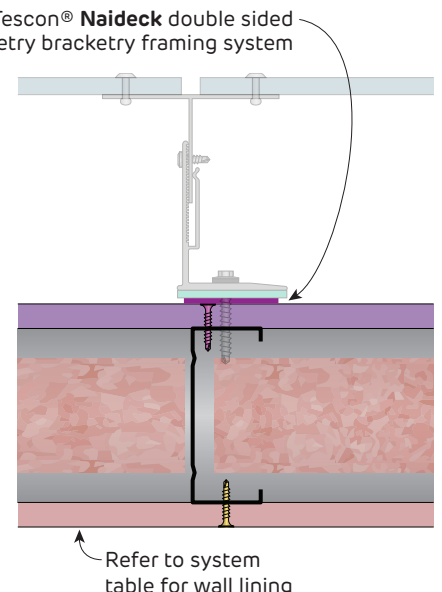


FIGURE 47 Weather Defence Installation with Bracketry Framing
Plan



Fire Rated Construction Details

i Fill any additional gaps with Bindex Fire and Acoustic sealant to maintain integrity

Maximum 2mm gap without sealant. For 2mm to 10mm gaps, fill with Bindex fire and Acoustic Sealant.

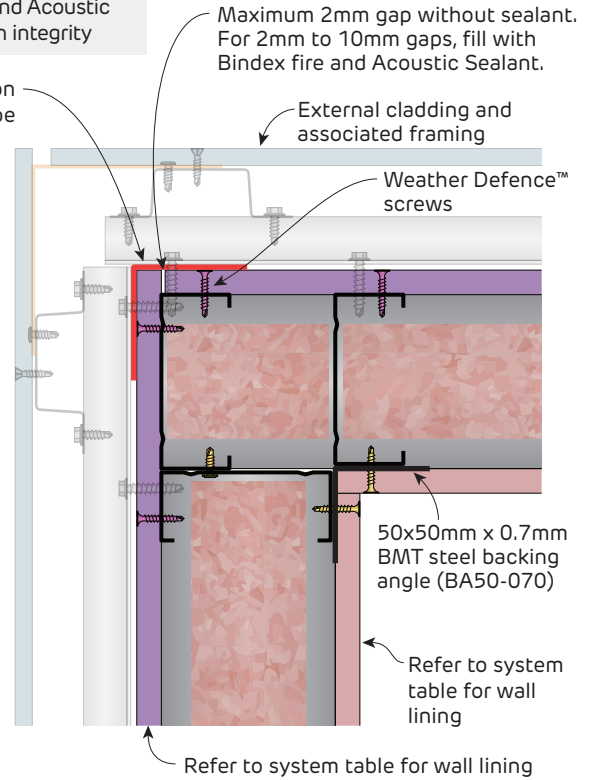
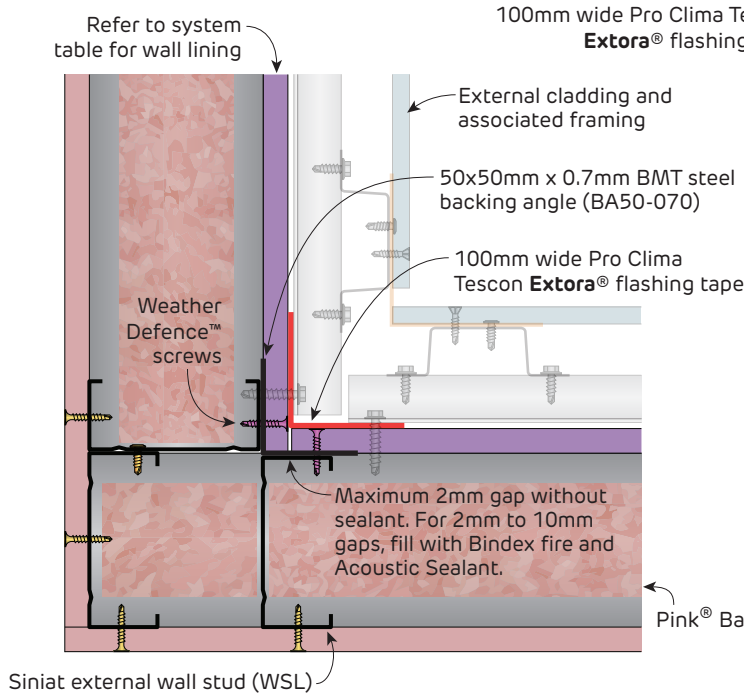


FIGURE 48 Exterior Internal Corner
Plan

FIGURE 49 Exterior External Corner
Plan

i Colour of Pro Clima tape shown in details varies from actual product colour

i Fill any additional gaps with Bindex Fire and Acoustic sealant to maintain integrity

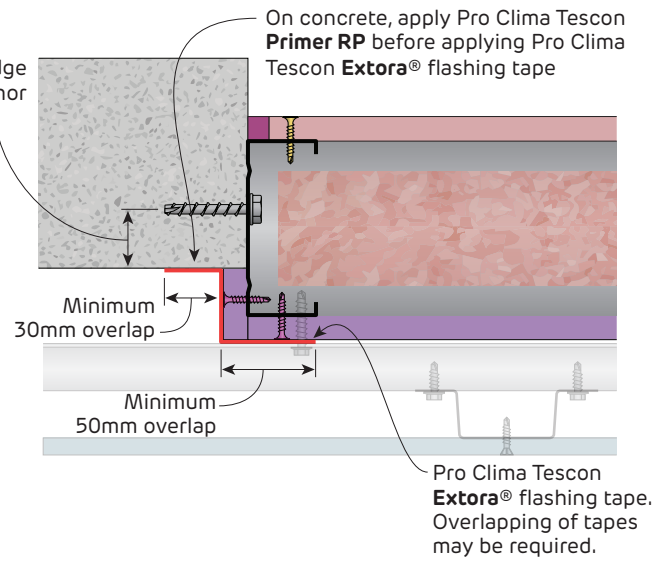
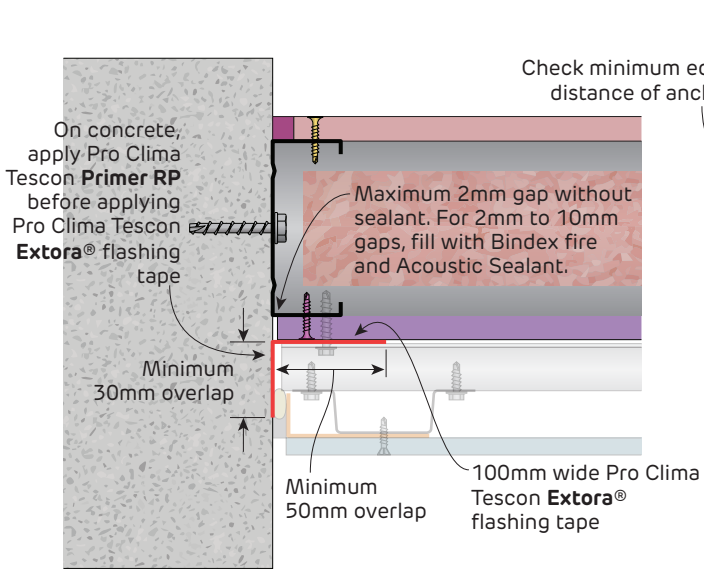


FIGURE 50 Wall to Concrete Column Detail
Plan

FIGURE 51 Wall to Concrete Column Detail
Plan

**Fire Rated
Construction Details**

i Details are based on testing with **EQUITONE®** cladding to pass **AS/NZS 4284 Testing of building facades**.
*Marked details are not tested and their suitability must be confirmed by an appropriately qualified person.

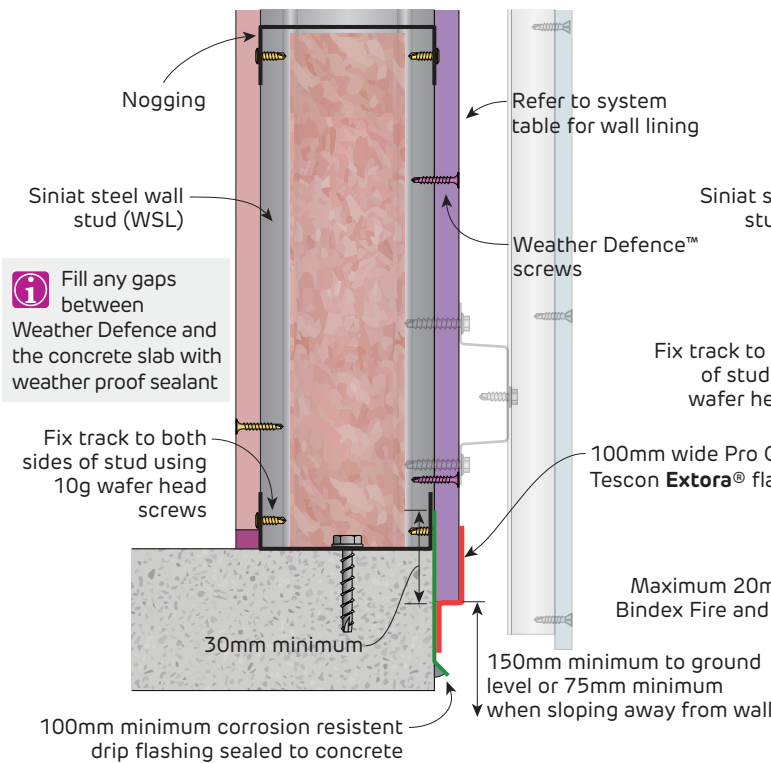


FIGURE 52 Wall Base to Concrete Slab*
Section

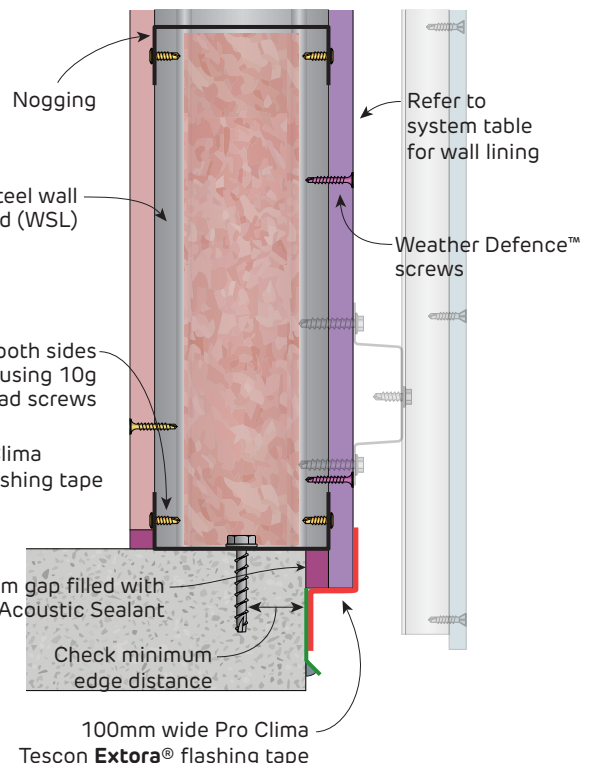


FIGURE 53 Wall Base to Concrete Slab*
Section

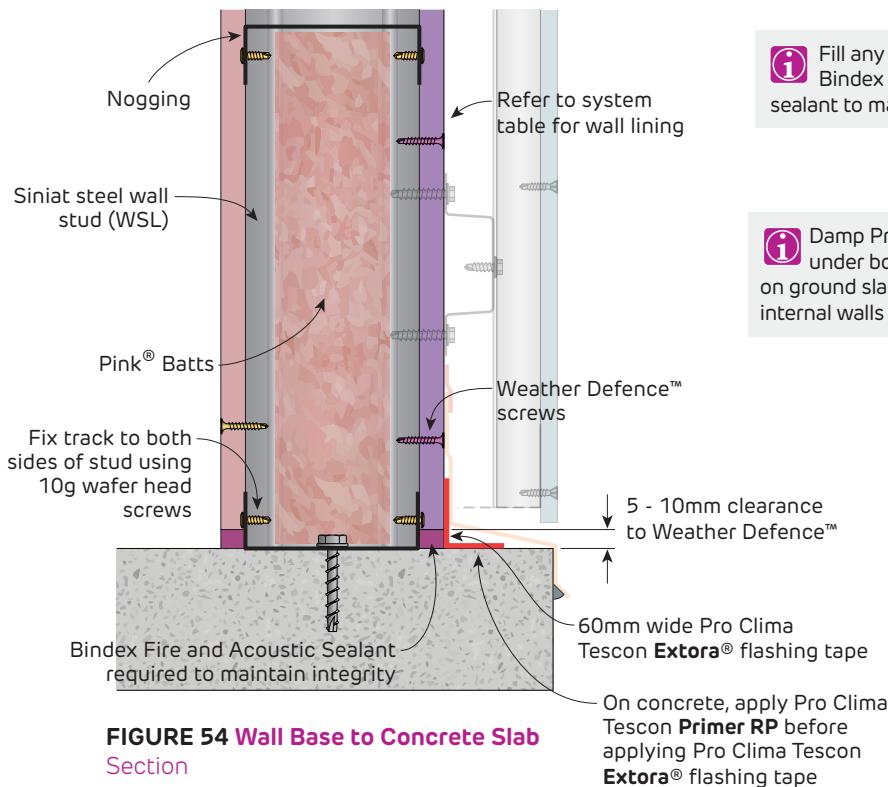


FIGURE 54 Wall Base to Concrete Slab
Section

i Fill any additional gaps with Bindex Fire and Acoustic sealant to maintain integrity

i Damp Proof Course (DPC) required under bottom tracks of external walls on ground slabs. DPC not required under internal walls and upper storeys.



Fire Rated Construction Details

i Details are based on testing with **EQUITONE®** cladding to pass **AS/NZS 4284 Testing of building facades**.
 *Marked details are not tested and their suitability must be confirmed by an appropriately qualified person.

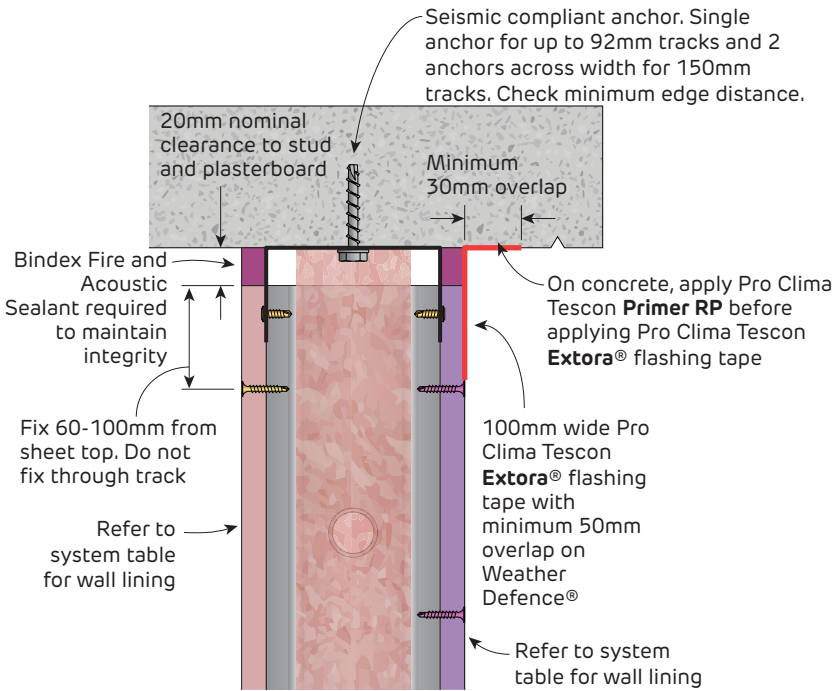


FIGURE 55 Wall Head to Concrete Slab*
 Slotted Deflection Head Track Section

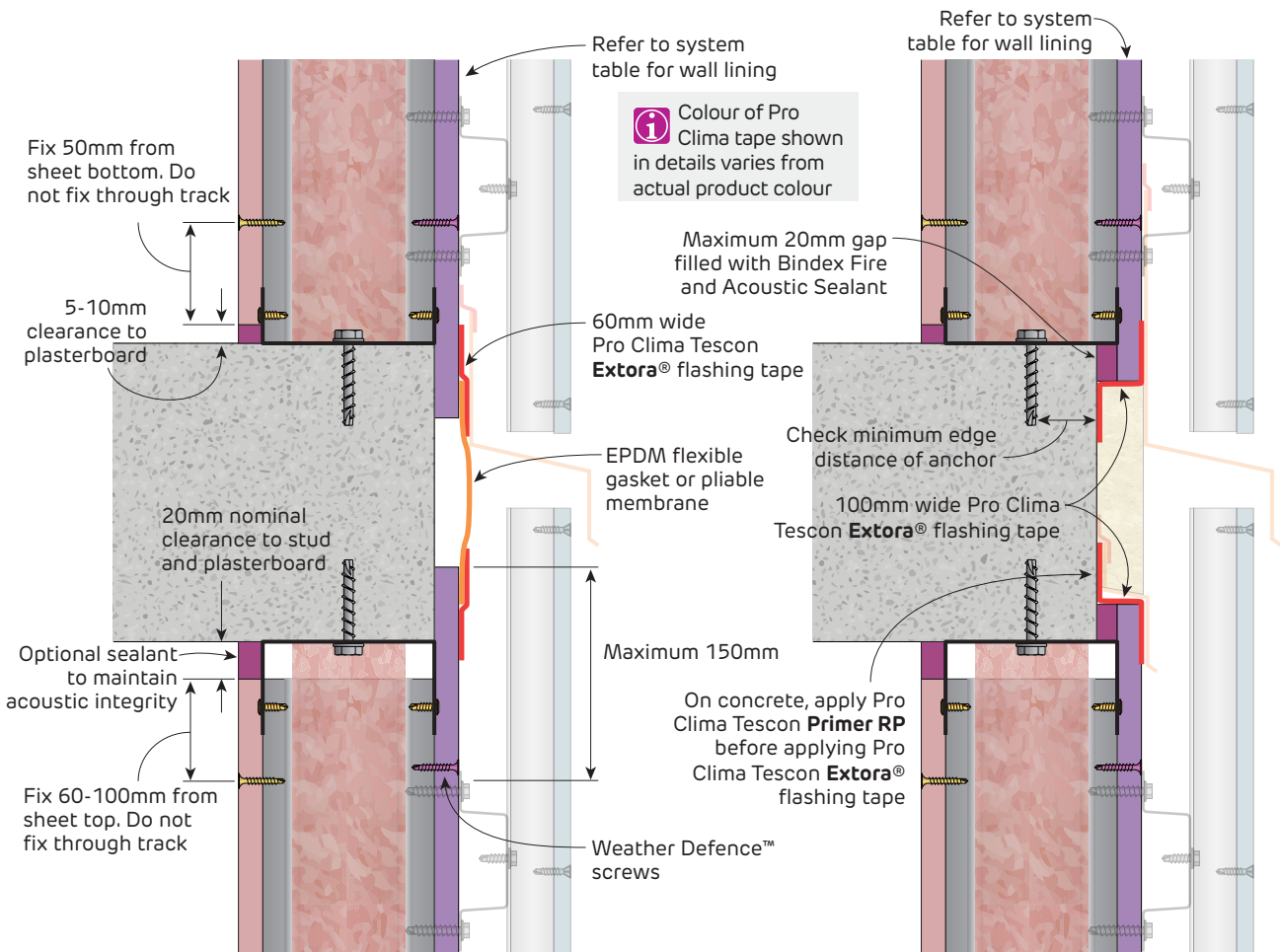


FIGURE 56 Wall Head and Base over Suspended Slab
 Section

FIGURE 57 Wall Head and Base over Suspended Slab*
 Section

**Fire Rated
Construction Details**

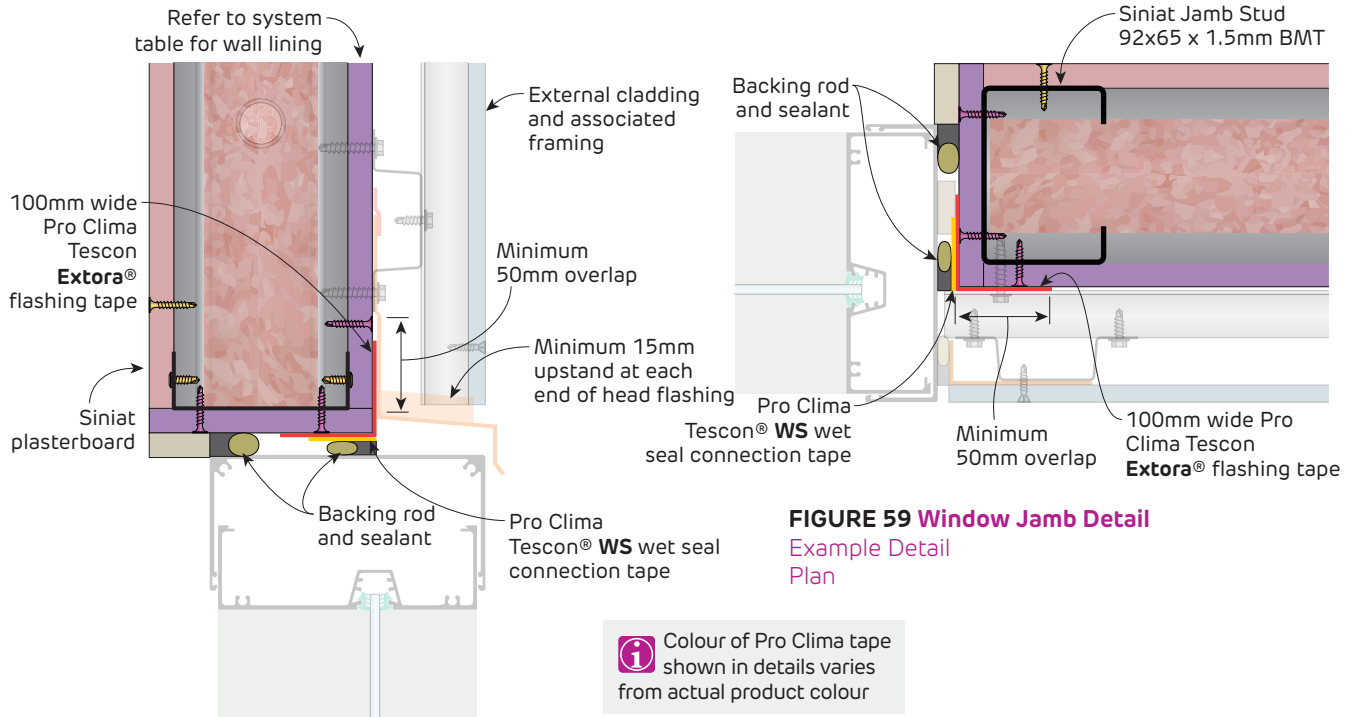


FIGURE 58 Window Head Detail
Example Detail
Section

i Colour of Pro Clima tape shown in details varies from actual product colour

FIGURE 59 Window Jamb Detail
Example Detail
Plan

i Refer to proprietary fire product manufacturer for performance and specific installation detail as well as approval for use in the selected building element.

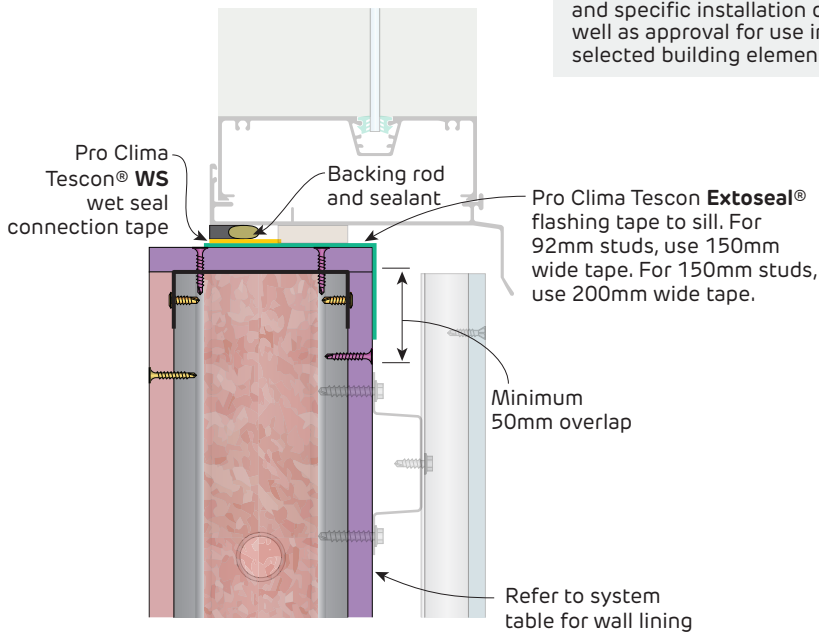


FIGURE 60 Window Sill Detail
Example Detail
Section