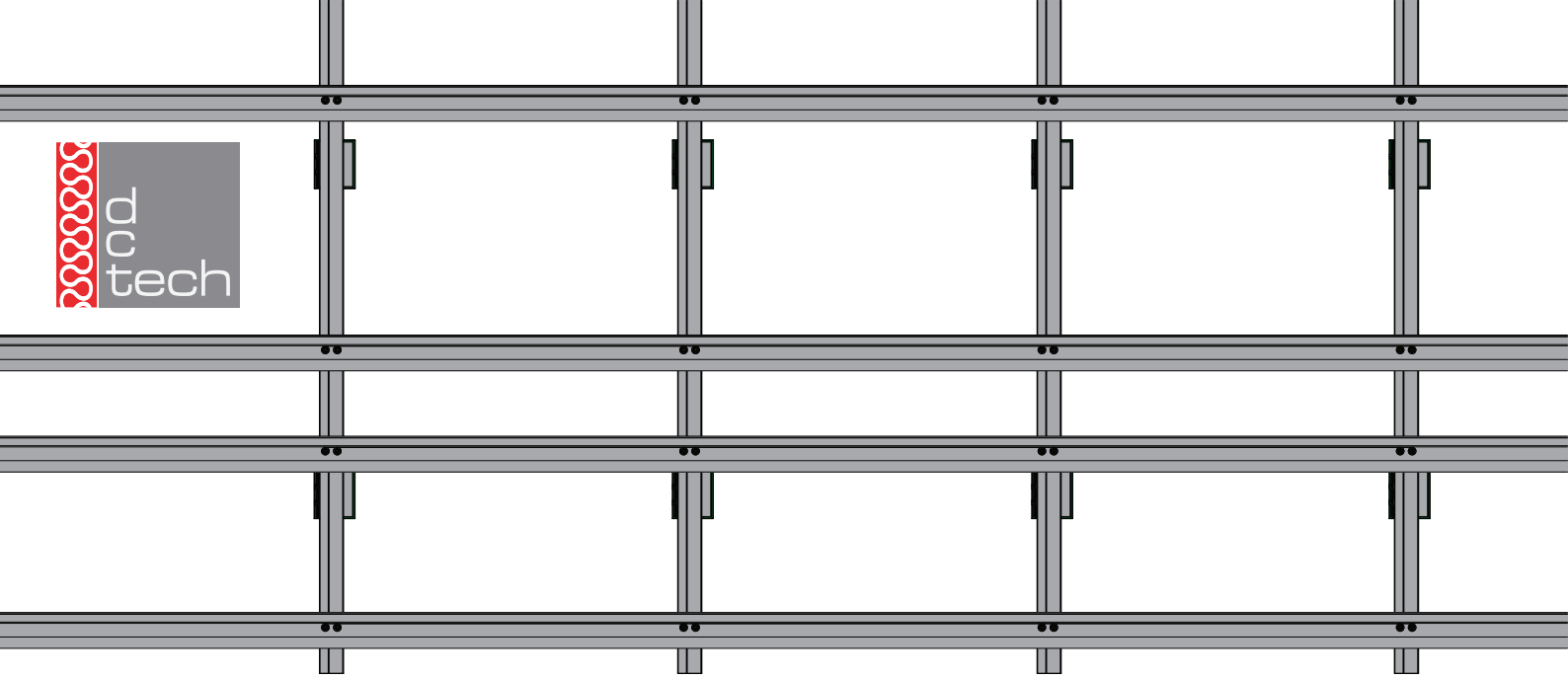


SFS NVELOPE
Application Guide for EQUITONE
fibre cement facade materials

NVELOPE
MAKING CLADDING HAPPEN

About NVELOPE®

NVELOPE® rainscreen cladding brackets and framework simplify the complexity of installing façades. NVELOPE® systems are designed to provide a vertical support for most façade types. NVELOPE® purpose-designed brackets allow for final alignment and adjustment.

The NVELOPE® bracket range includes single and double variations of each bracket size, the difference being the depth of the bracket (75mm single, 150mm double). A double bracket is capable of supporting higher cladding loads, and is used in the fixed point location for projects that feature more demanding wind or cladding loads.

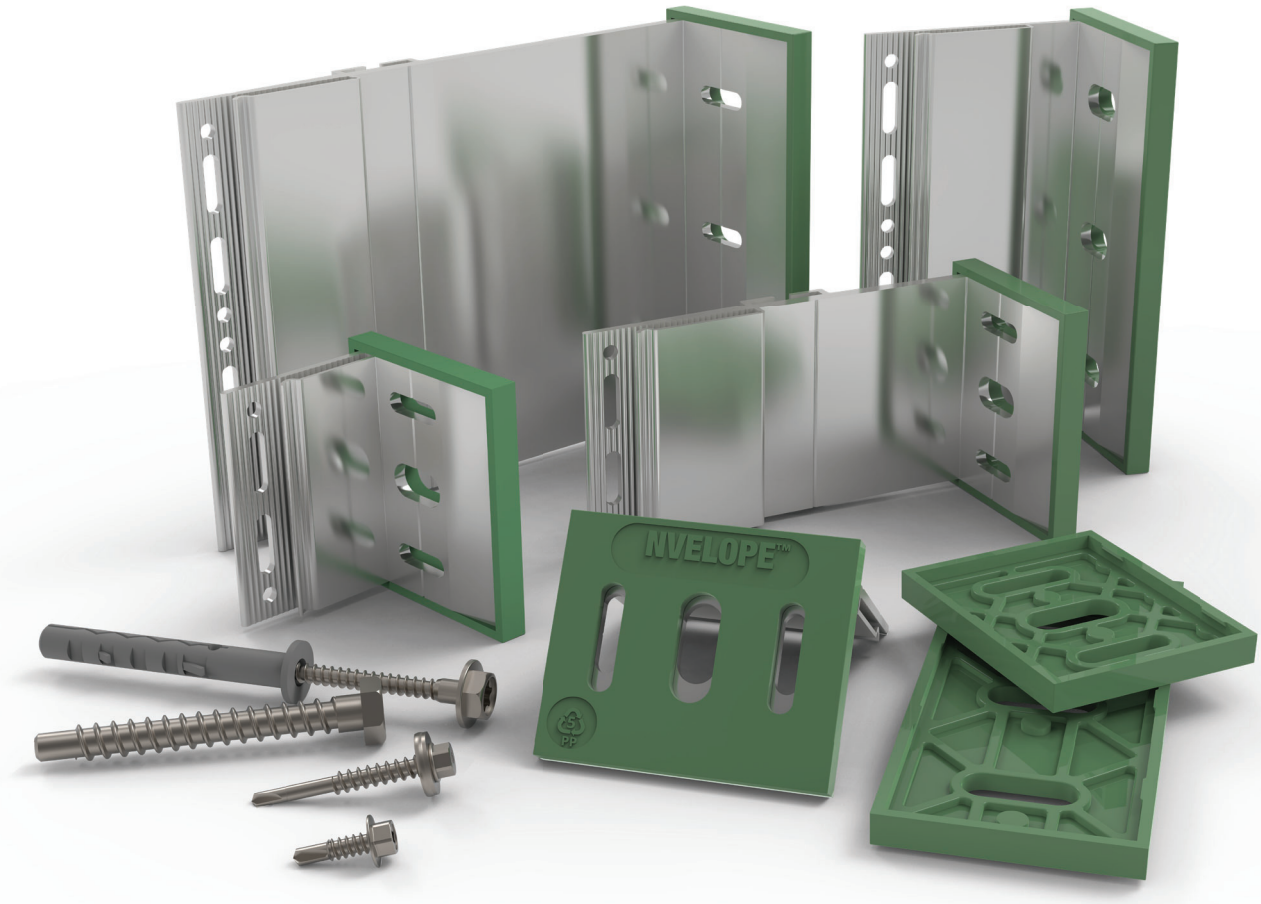
The substrate slot variations on NVELOPE® brackets are to suit a wide range of substrate materials. For steel and timber substrates 6.5mm slots are used; for brick, block and concrete, the 11mm slots are used. The single bracket includes both slot variations so is suitable for all substrates.

Disclaimer

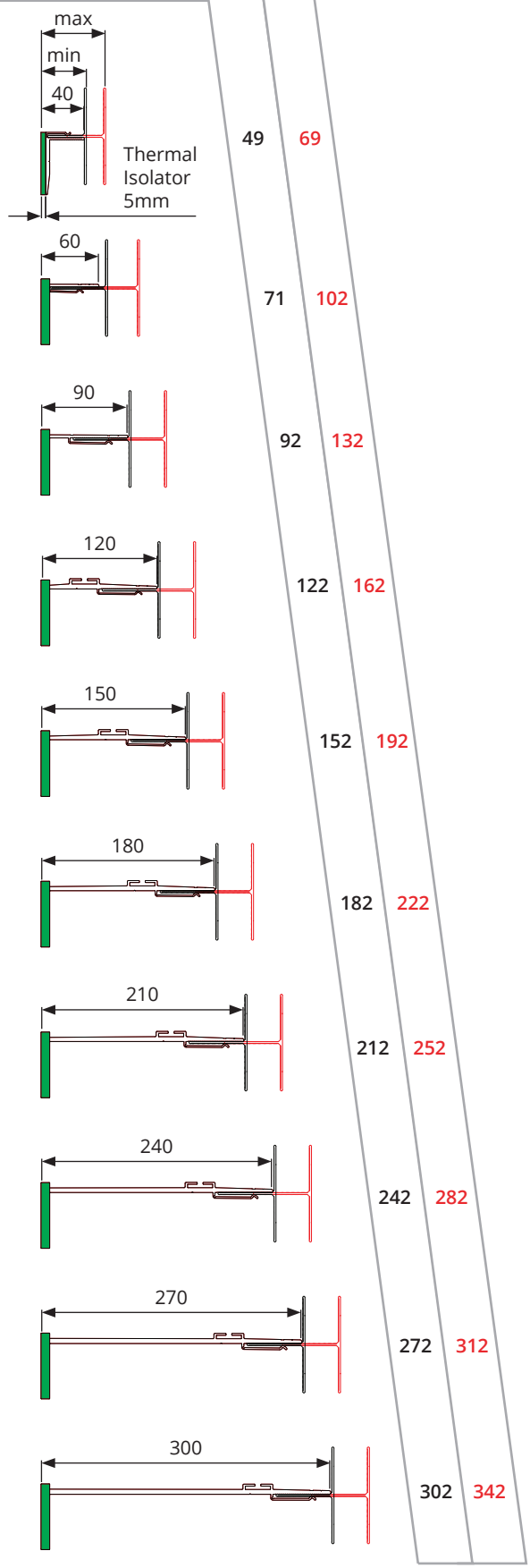
The opinions expressed in this guide does not relieve the responsibility of building designers, qualified architects, engineers and installers to provide specific advice relating to the structural performance of the cladding and external walls for each individual building that the Nvelope cladding fixing system is used on.

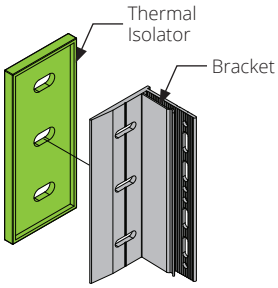
The information in this document is correct at the time of issuing. However, due to our committed program of continuous development we reserve the right to amend alter the information contained in this document without prior notice. Please contact DC Tech or visit www.dctech.com.au to ensure you have the most current version.

This document is supplied in good faith and liability can **not** be accepted for any loss or damage resulting from its use. Images and construction details contained in this document are not to a specific scale , and are indicative and for illustration purposes only.

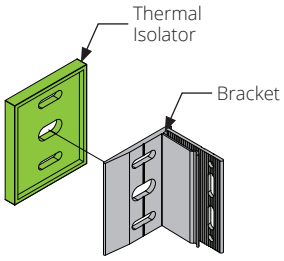


Bracket Size (mm)	Range of Adjustment (mm) min	max
40	49	69
60	71	102
90	92	132
120	122	162
150	152	192
180	182	222
210	212	252
240	242	282
270	272	312
300	302	342





Fixed point double bracket

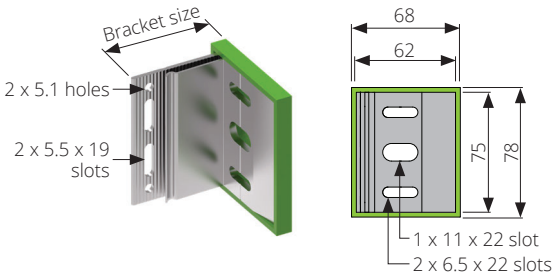


Sliding point single bracket

Single Bracket

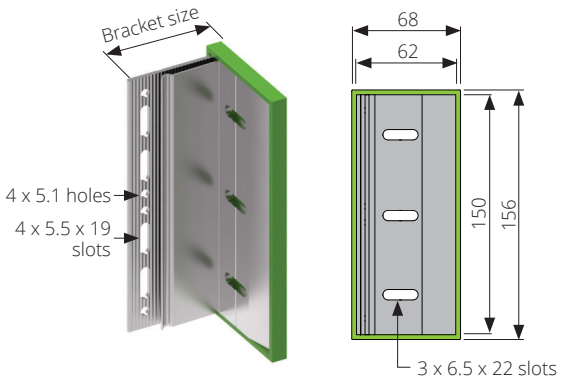
For steel, timber, concrete or filled CMU substrate

2 x 6.5 mm slot, 1 x 11mm slot



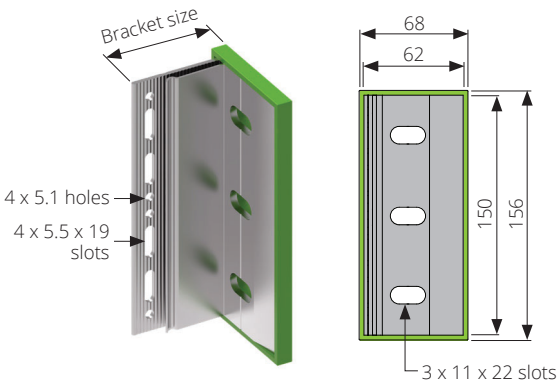
Double Bracket

For steel and timber substrates - 3 x 6.5 mm slot



Double Bracket

For masonry / concrete - 3 x 11 mm slot



Isolators are included as standard. If isolators are not required, reduce dimensions by 5mm

Brackets - Codes

Single Bracket - Universal

For steel, timber, concrete or filled CMU substrate
2 x 6.5 mm slot, 1 x 11mm slot

Product Code	Size (mm)
01/VB040S-11/6.5	40
01/VB060S-11/6.5	60
01/VB090S-11/6.5	90
01/VB120S-11/6.5	120
*01/VB150S/11-6.5	150
*01/VB180S/11-6.5	180
*01/VB210S/11-6.5	210
*01/VB240S/11-6.5	240
*01/VB270S/11-6.5	270
*01/VB300S/11-6.5	300

Double Bracket - 6.5

For steel and timber substrates
3 x 6.5 mm slot

Product Code	Size (mm)
01/VB040D-6.5	40
01/VB060D-6.5	60
01/VB090D-6.5	90
01/VB120D-6.5	120
*01/VB150S-6.5	150
*01/VB180D-6.5	180
*01/VB210D-6.5	210
*01/VB240D-6.5	240
*01/VB270D-6.5	270
*01/VB300D-6.5	300

Double Bracket - 11

For masonry / concrete
3 x 11mm slot

Product Code	Size (mm)
01/VB040D-11	40
01/VB060D-11	60
01/VB090D-11	90
01/VB120D-11	120
*01/VB150D-11	150
*01/VB180D-11	180
*01/VB210D-11	210
*01/VB240D-11	240
*01/VB270D-11	270
*01/VB300D-11	300

* Brackets subject to availability. Contact DC Tech for further details

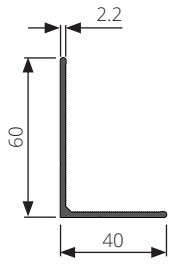
Extrusions

Generally, extrusions are cut to lengths that reflect the height of the panels that are going to be fixed to them.
Typically storey-height profiles are cut so that the panels are located on one set of vertical profiles and do not 'bridge' the expansion gap between two profiles. These are secured to the bracket using a secondary fixing.

L Rails

Product Code	Description
*02/L60-40-2.2-3000	L Profile 60 x 40 x 2.2 x 3000
02/L60-40-2.2-6000	L Profile 60 x 40 x 2.2 x 6000

Powder coating or anodising available upon request
*Available upon request, lead time applies

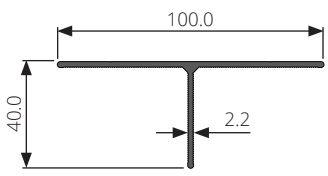


L60-40-2.2

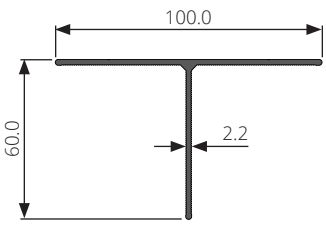
T Rails

Product Code	Description
*02/T40-100-2.2-3000	T Profile 40 x 100 x 2.2 x 3000
02/T40-100-2.2-6000	T Profile 60 x 40 x 2.2 x 6000
*02/T60-100-2.2-3000	T Profile 60 x 100 x 2.2 x 3000
02/T60-100-2.2-6000	T Profile 60 x 40 x 2.2 x 6000

Powder coating or anodising available upon request
*Available upon request, lead time applies



T40-100-2.2

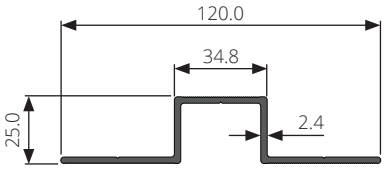


T60-100-2.2

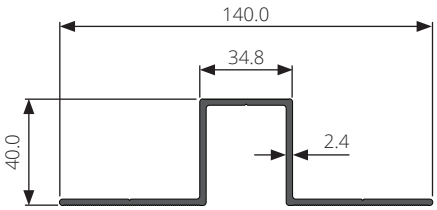
Omega Rails & Trim

Product Code	Description
02/OM25-120-2.4- 6000	25mm Omega - Mill Finish 6000
***02/OM25-120-2.4-6000-PC**	25mm Omega - Powder Coat Finish 6000
***02/OM40-140-2.4-6000**	40mm Omega - Mill Finish 6000
***02/OM40-140-2.4-6000-PC**	40mm Omega - Powder Coat Finish 6000

Powder coating or anodising available upon request
*Available upon request, lead time applies



OM25-120-2.4

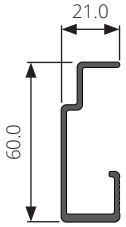


OM45-140-2.4

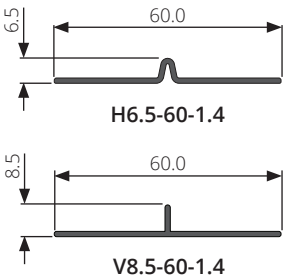
NV3 Rails, Trim

Product Code	Description
02/CP-NV3-3000	Carrier Profile NV3 System x 3000
02/CP-NV3-6000	Carrier Profile NV3 System x 6000
02/V8.5-60-1.4-3000-PCBK	Vertical Express Joint Backing Trim - Black Powder Coat 8.5 x 60 x 3000
02/H6.5-60-1.4-3000-PCBK	Horizontal Express Joint Backing Trim - Black Powder Coat 6.5 x 60 x 3000
06/T61102-25M	12mm x 3.2mm thick single sided EPDM tape - 25m roll
06/T62936-25M	18mm x 1.6mm thick double sided PE foam tape - 25m roll

Powder coating or anodising available upon request



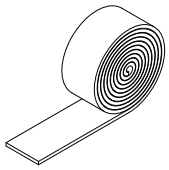
CP-NV3



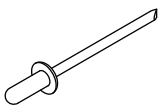
H6.5-60-1.4

V8.5-60-1.4

06/T61102-25M



06/T62936-25M

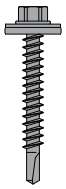


Blind Rivet
3.2mm x 12mm blind pop rivet (Not supplied by DC Tech)

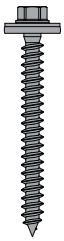
Fixings

04/SDA5/5,5x20
Bracket to Vertical Rail & Carrier profile to Vertical Rail Fixing

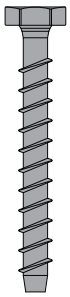
04/SX3/28-S16-6X48-A4
Bracket to Steel Stud fixing A4 (316) stainless steel self drilling fasteners



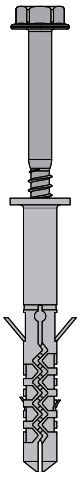
04/TDA-S-S16-6,5X60
6.5mm x 60mm Timber Fixing with 16mm Washer



04/MULTI-MONTI-S-10X85
Stainless steel Primary Concrete Structural Anchor



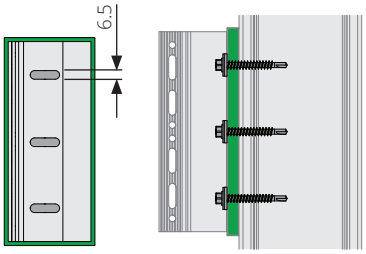
04/SXR-10X80-FUS
10x80 A4 (316) Anchor with polyamide sleeve Bracket to Concrete/ Brick fixing



Fixing Type

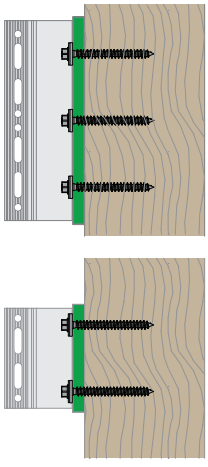
Steel

04/SX3/28-S16-6X48-A4
Bracket to Steel Stud fixing A4 (316) stainless steel self drilling fasteners

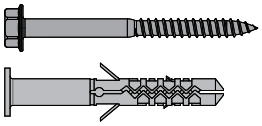


Timber

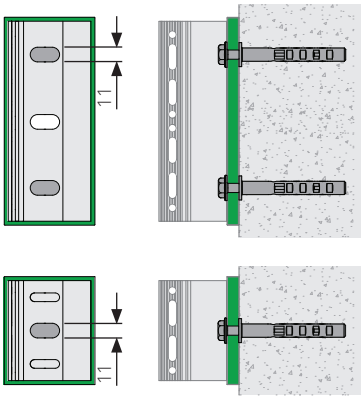
04/TDA-S-S16-6,5X60
6.5mm x 60mm Timber Fixing with 16mm Washer



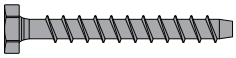
Brick / Block



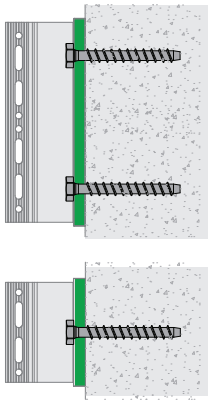
04/SXR-10X80-FUS
10x80 A4 (316) Anchor with polyamide sleeve Bracket to Concrete/ Brick fixing

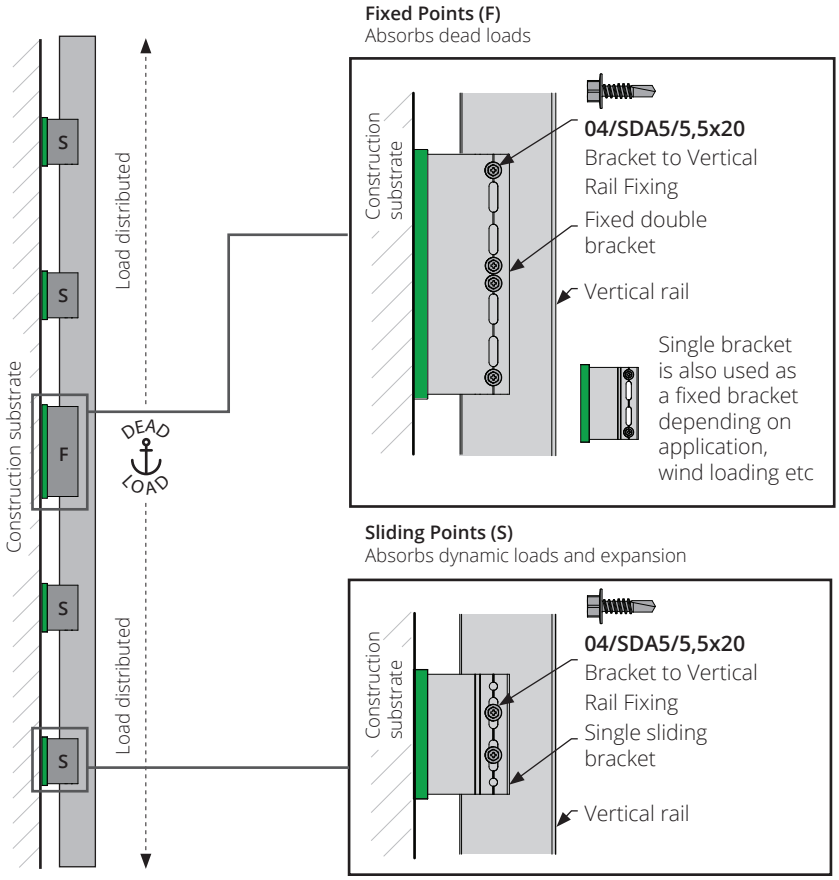


Concrete (Heavy duty)

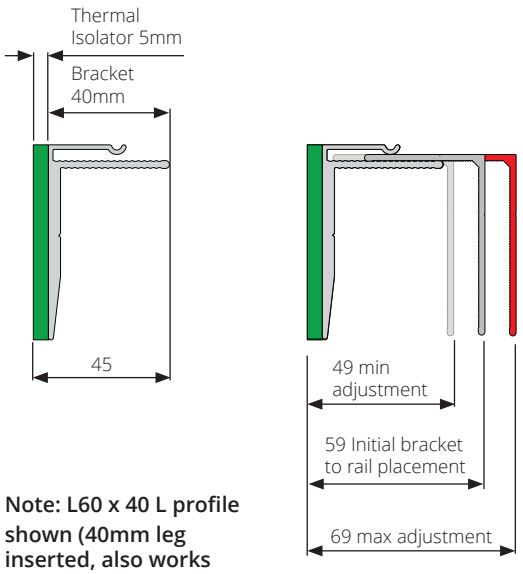


04/MULTI-MONTI-S-10X85
Stainless steel Primary Concrete Structural Anchor



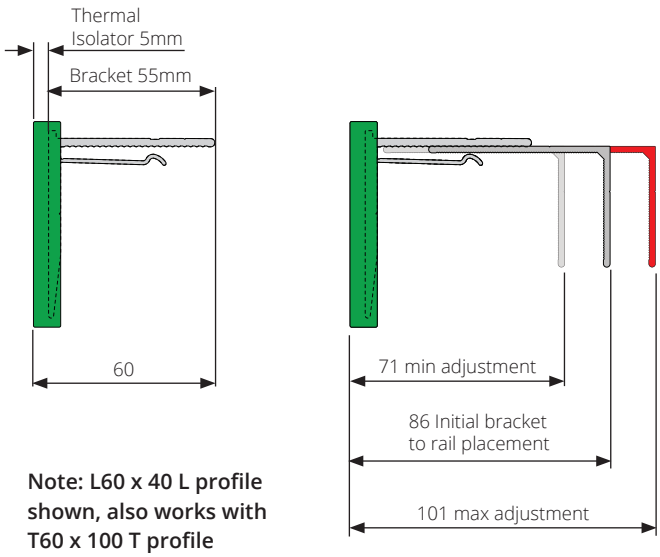


40mm Bracket to rail placement



Note: L60 x 40 L profile shown (40mm leg inserted, also works with T40 x 100 T profile

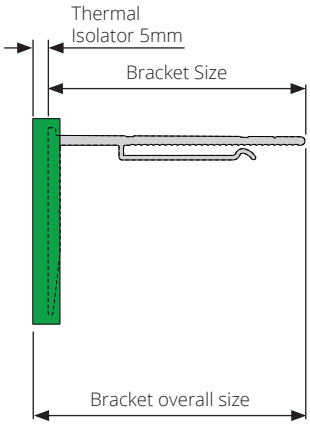
60mm Bracket to rail placement



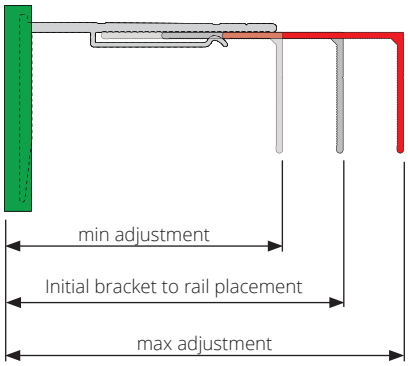
Note: L60 x 40 L profile shown, also works with T60 x 100 T profile

Isolators are included as standard. If isolators are not required, reduce dimensions by 5mm

90mm - 300mm Bracket to rail placement

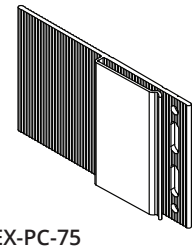


Note: L60 x 40 L profile shown, also works with T60 x 100 T profile

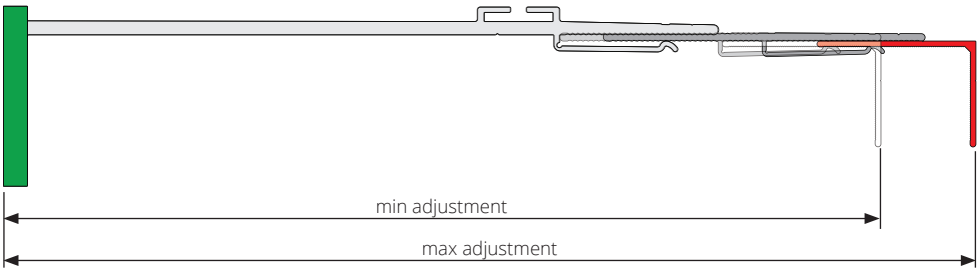


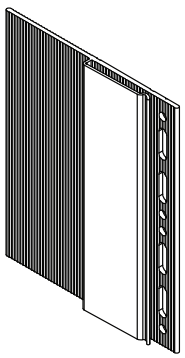
Bracket overall size (mm)	Initial bracket to rail setting (mm)	Range of Adjustment	
		Min	Max
		(mm)	(mm)
90	112	92	132
120	142	122	162
150	172	152	192
180	202	182	222
210	232	212	252
240	262	242	282
270	292	272	312
300	322	302	342

Bracket to rail placement - Bracket Extensions



01/EX-PC-75
Bracket extension piece single



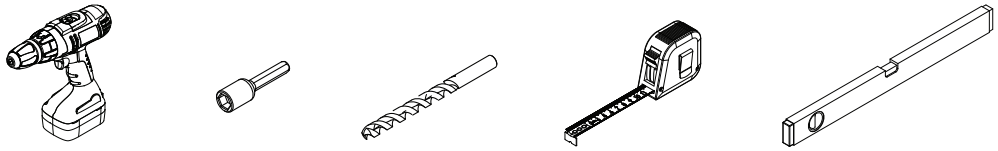


01/EX-PC-150
Bracket extension piece double

Bracket overall size (mm)	Range of Adjustment	
	Min	Max
	(mm)	(mm)
270 + extension	384	424
300 + extension	414	454

Note: L60 x 40 L profile shown, also works with T60 x 100 T profile
Example to show largest possible cladding zones. Extension piece is compatible with all bracket sizes, and is available as a single or a double

Recommended Tools



Cordless drill | Socket driver | Ø7mm drill bit | Measuring tape | Spirit level

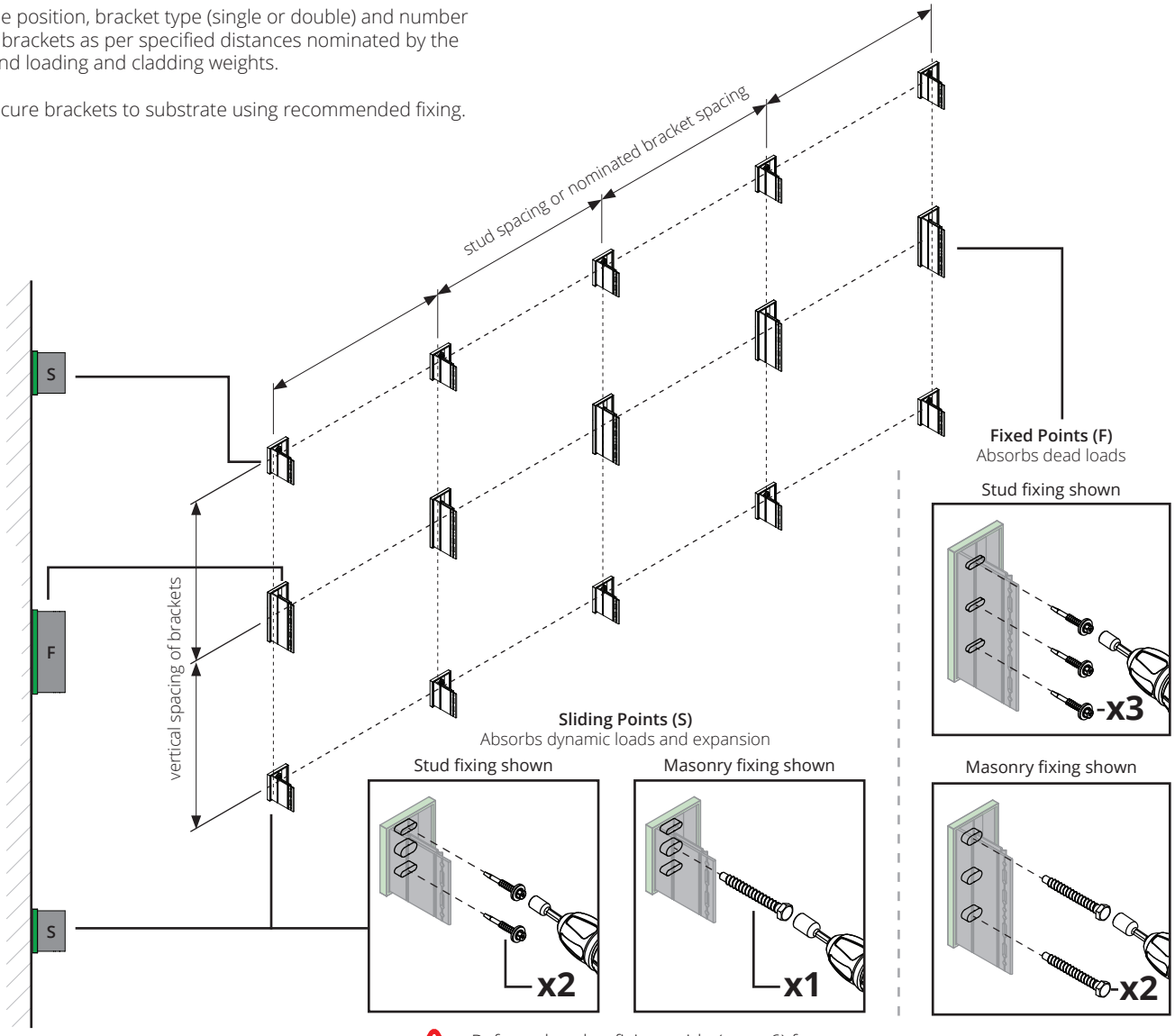
Health and Safety

DC Tech recommends the use of personal protective equipment (PPE) when installing the Nvelope system

1 Bracket Installation

The position, bracket type (single or double) and number of brackets as per specified distances nominated by the wind loading and cladding weights.

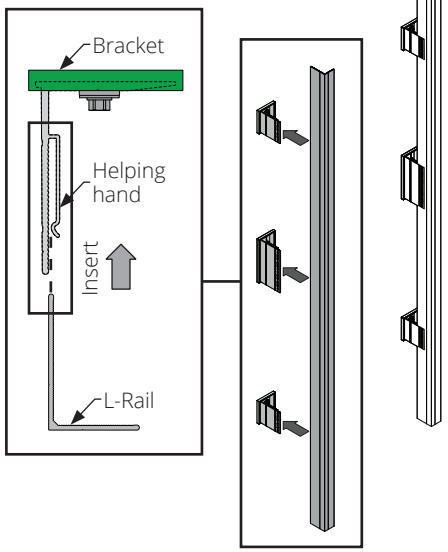
Secure brackets to substrate using recommended fixing.

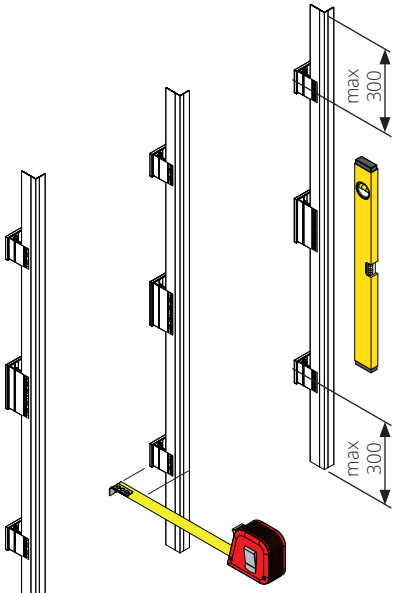


Refer to bracket fixing guide (page 6) for fixing according to the building substrate

1 Fitting extrusions

Once the brackets are aligned in the correct positions, fit the cut length profiles into the helping hand of the bracket.

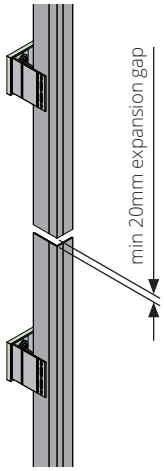




Position extrusion into the bracket's helping hand and adjust for line and level

Check and adjust extrusions are in the correct position

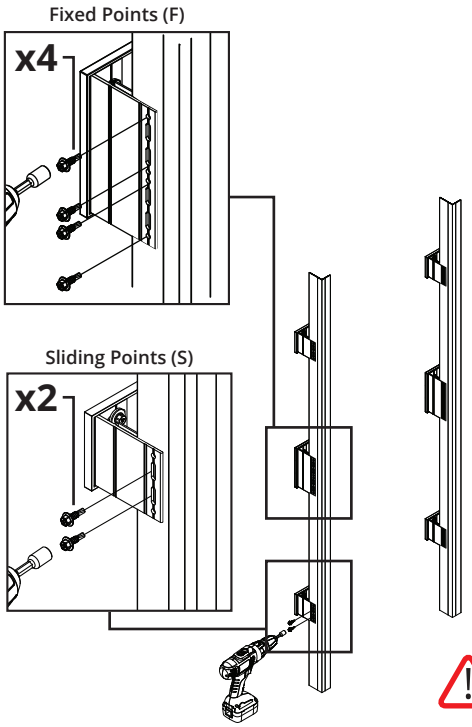
Expansion Joint

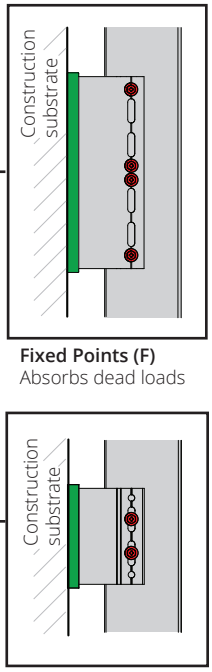


Ensure a 20mm minimum gap between the ends of the rails to allow for expansion. These joints shall coincide with panel horizontal joint i.e. panel shall not bridge over this gap

2 Fixing extrusions

Secure extrusions using the 04/SDA5/5,5x20 stainless steel fixing.





Fixed Points (F)
Absorbs dead loads

Sliding Points (S)
Absorbs dynamic loads and expansion

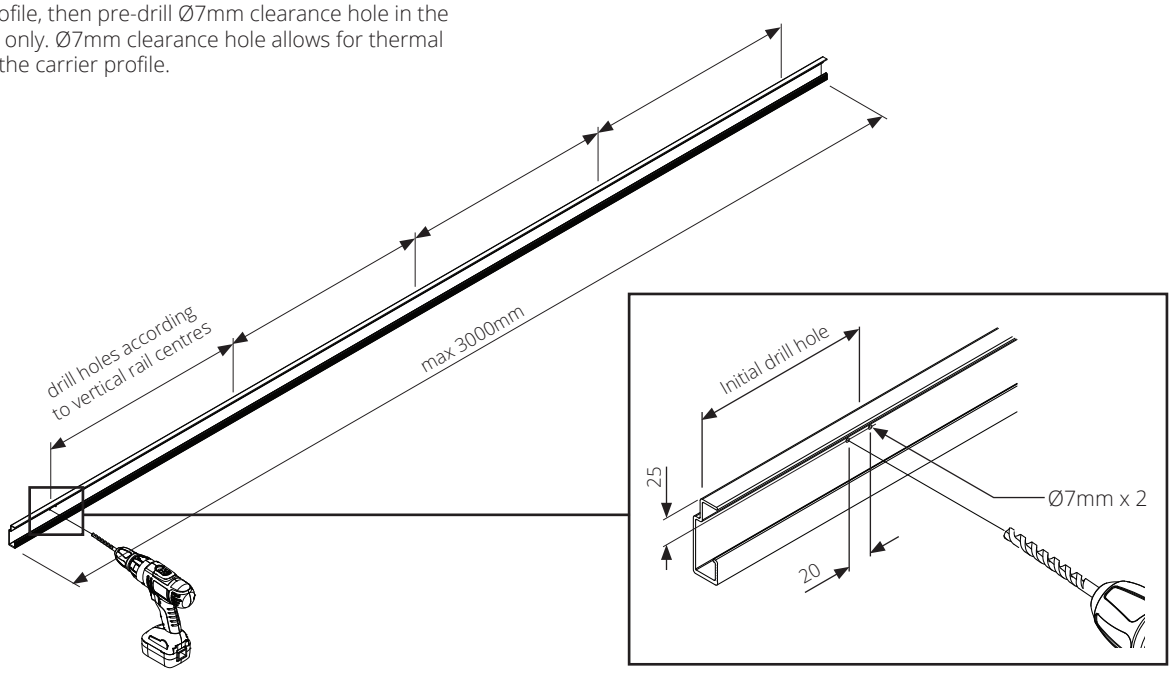
Observe the correct number of fixings according to the fixed and sliding point brackets nominated specifically for the project

Fitment check

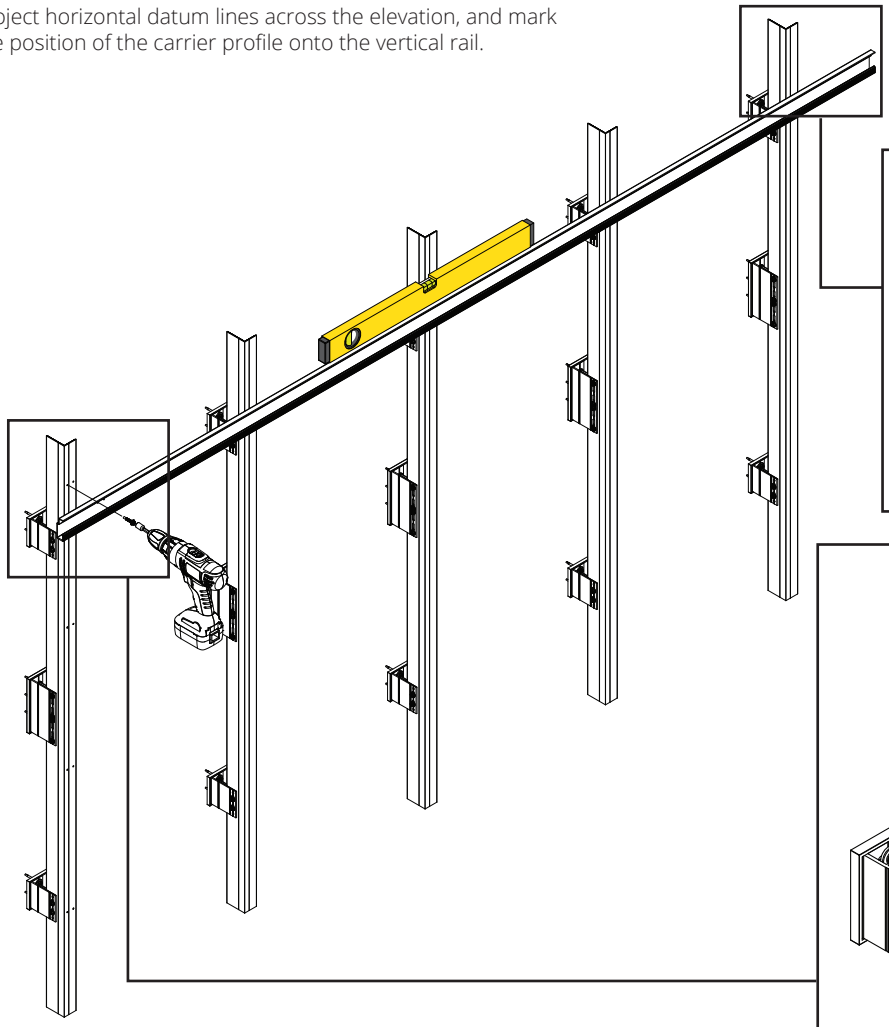
Once all brackets and extrusions are installed to an area of the project, the following checks should be carried out:

1. Number of fixings and their position in each bracket
2. Line and level of the profiles in relation to each other

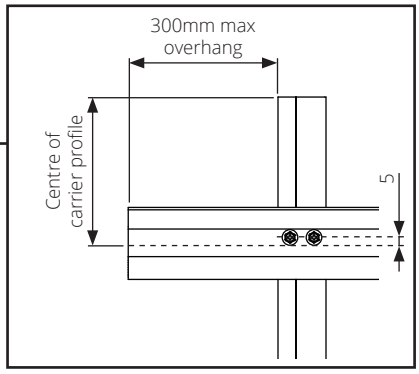
1 Cut carrier profile, then pre-drill Ø7mm clearance hole in the carrier profile only. Ø7mm clearance hole allows for thermal expansion of the carrier profile.

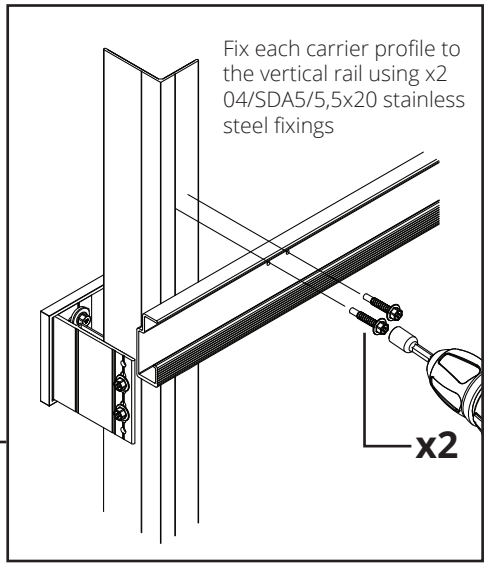


2 Project horizontal datum lines across the elevation, and mark the position of the carrier profile onto the vertical rail.

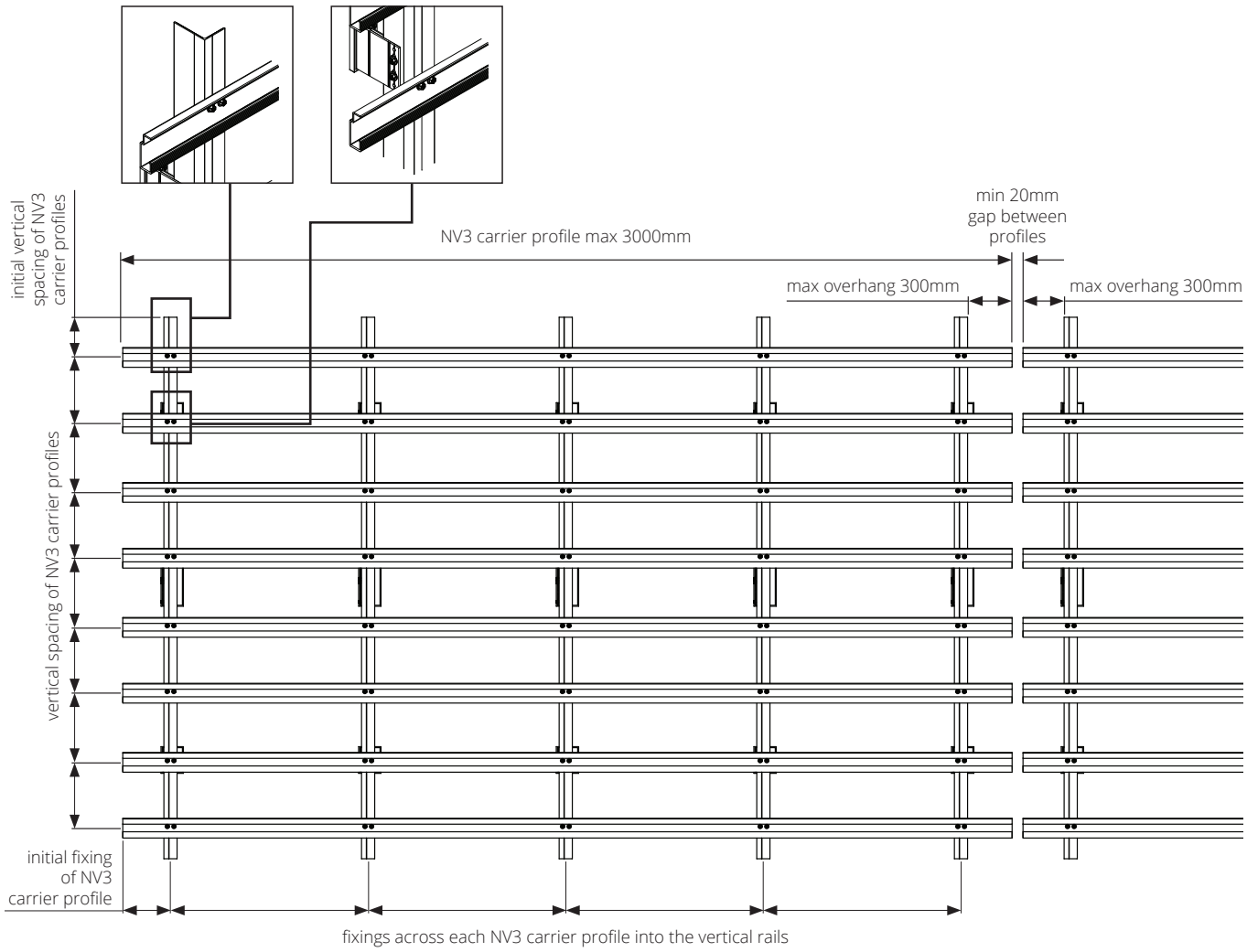


Rails can run past the last vertical rail by a maximum of 300mm. If a rail needs jointing off, a 200mm piece of carrier profile can be used back to back. Allow room for expansion.

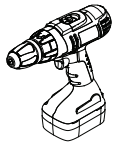




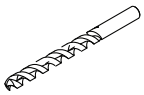
3 Install remaining carrier profiles according to project specific vertical spacings.
Spacings differ according to wind loading, weight of cladding and cladding type.

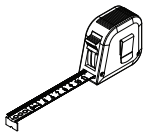


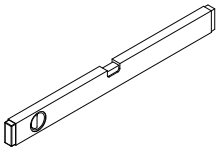
Recommended Tools


Cordless drill


Socket driver


Ø7mm drill bit


Measuring tape

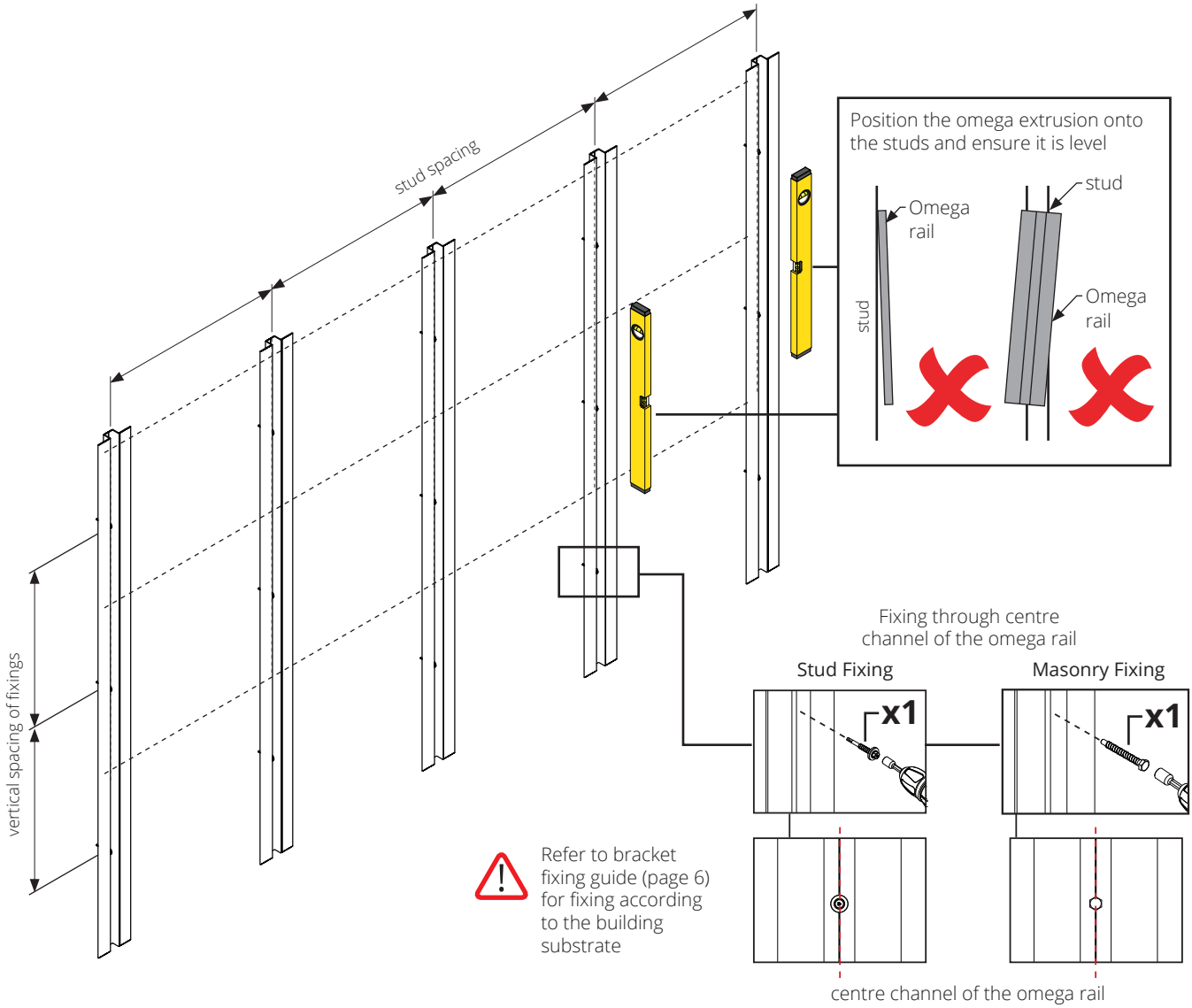

Spirit level

Health and Safety

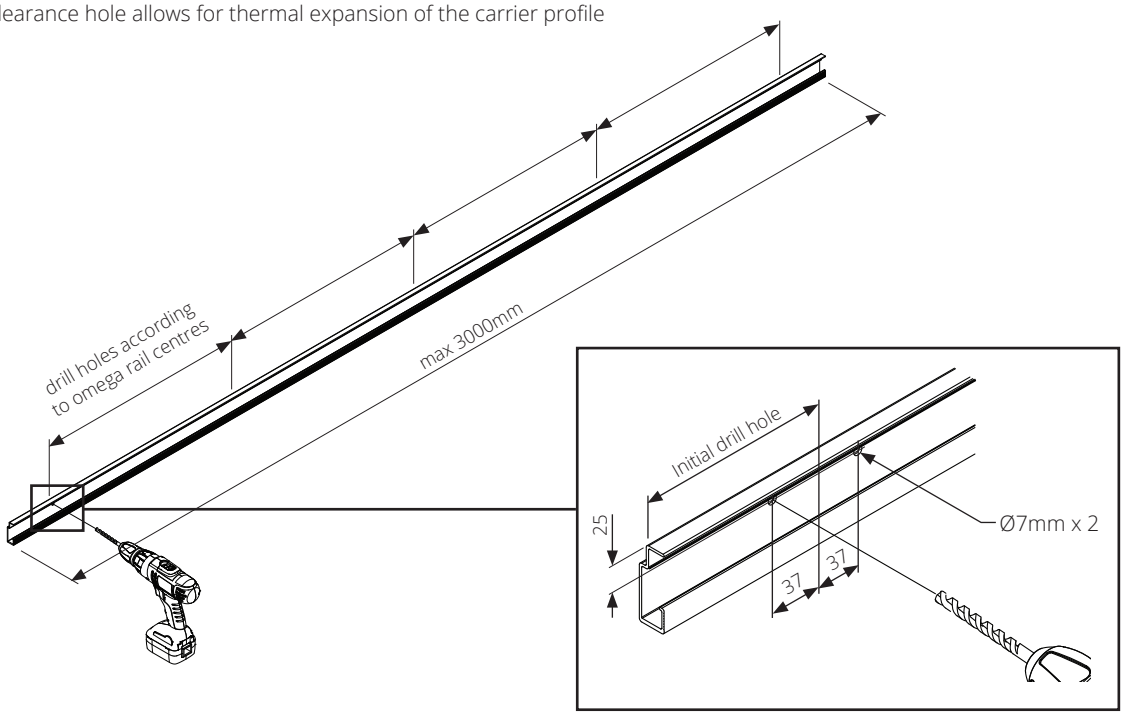
DC Tech recommends the use of personal protective equipment (PPE) when installing the Nvelope system

1 Omega rail installation

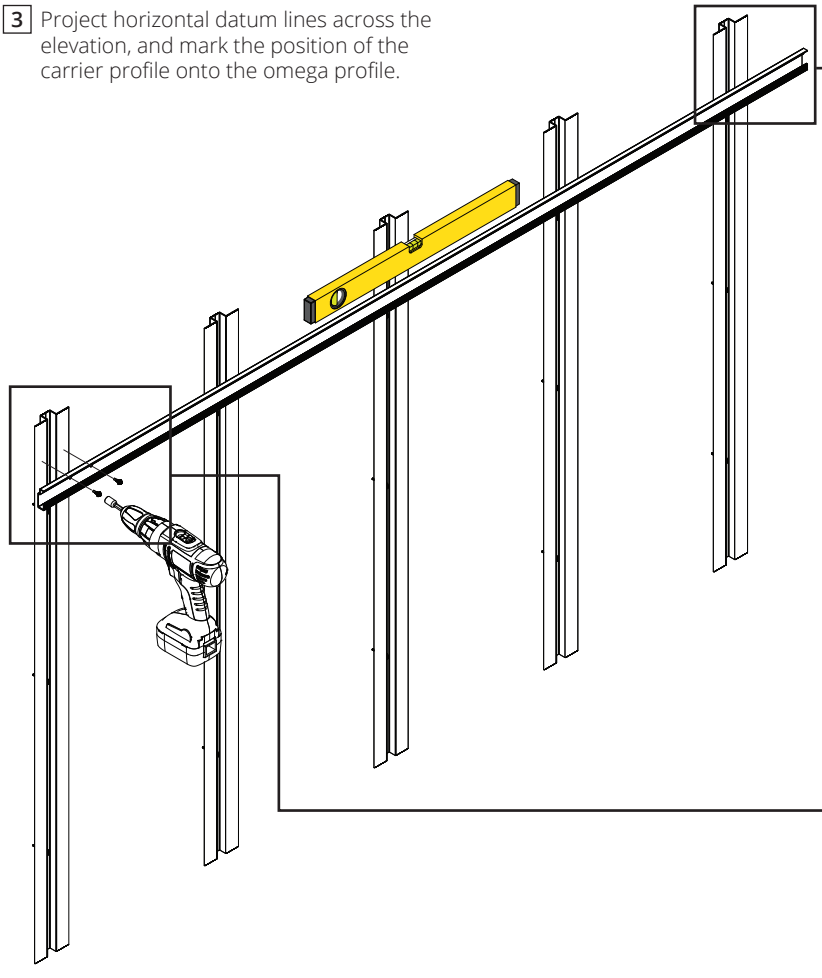
The number of fixings onto stud centres as per specified distances nominated by the wind loading and cladding weights. Secure omega rail to substrate using recommended fixing.



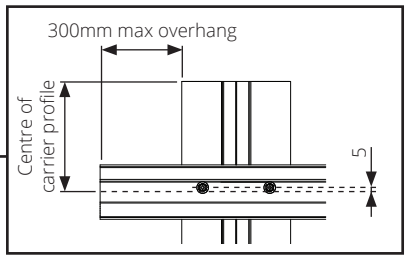
2 Cut carrier profile, then pre-drill Ø7mm clearance hole in the carrier profile only. Ø7mm clearance hole allows for thermal expansion of the carrier profile



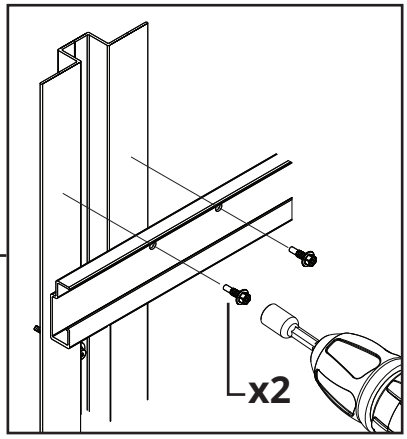
3 Project horizontal datum lines across the elevation, and mark the position of the carrier profile onto the omega profile.



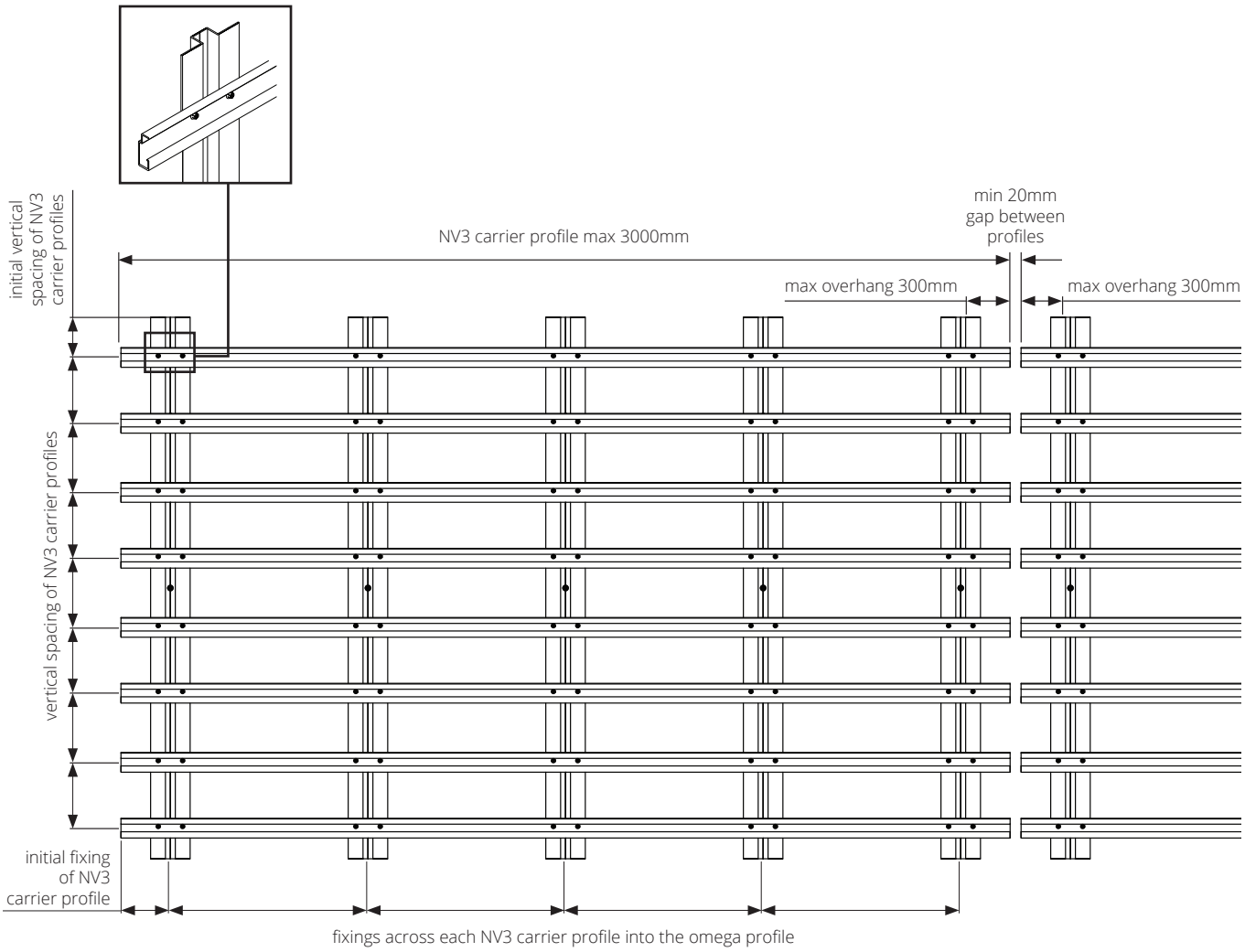
Rails can run past the last omega rail by a maximum of 300mm. If a rail needs jointing off, a 200mm piece of carrier profile can be used back to back. Allow room for expansion.



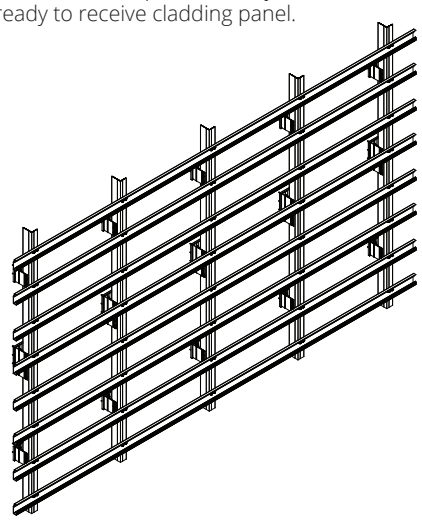
Fix each carrier profile to the omega rail using 2 x 04/SDA5/5,5x20 stainless steel fixings.



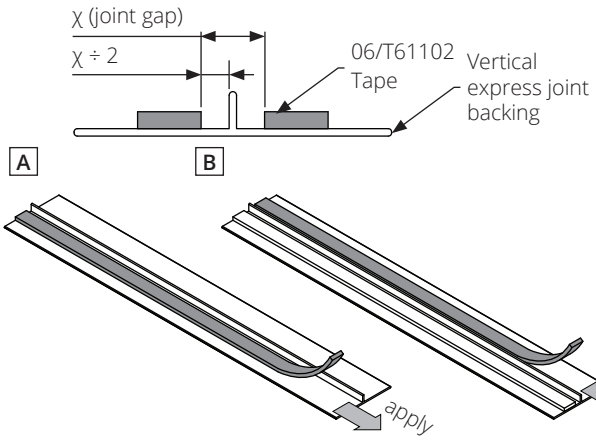
4 Install remaining carrier profiles according to project specific vertical spacings.
Spacings differ according to wind loading, weight of cladding and cladding type.



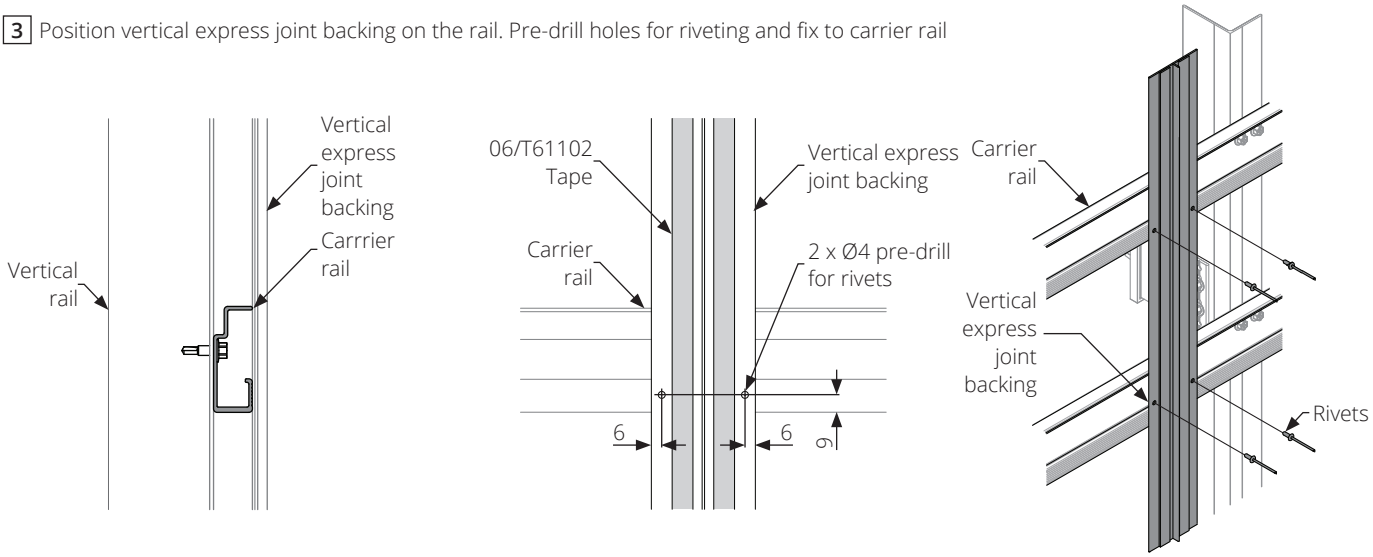
1 Start with Nvelope NV3 rail system installed and ready to receive cladding panel.



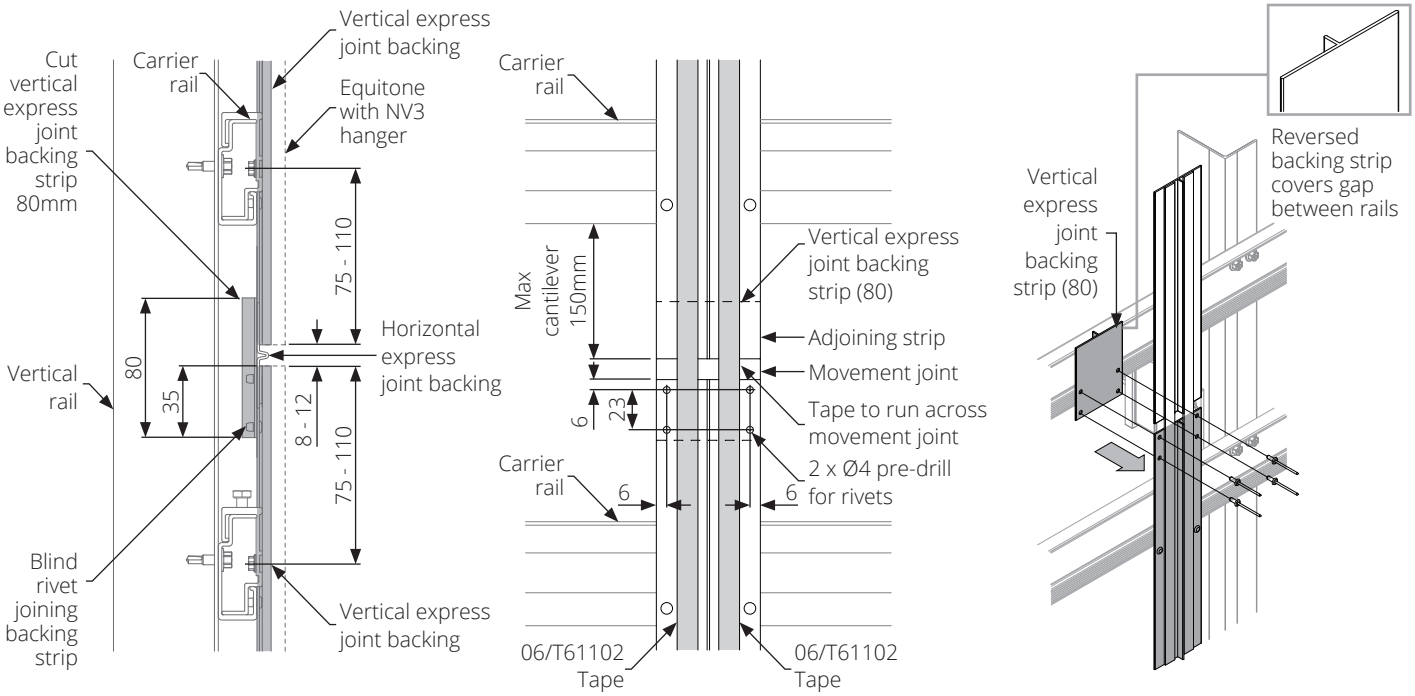
2 Ensure surface is clean before applying tape. Apply tape to vertical express joint backing



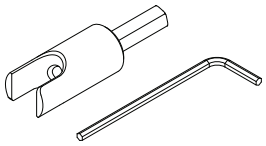
3 Position vertical express joint backing on the rail. Pre-drill holes for riveting and fix to carrier rail



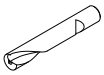
3 A Joining vertical express joint backing trims over 3100mm



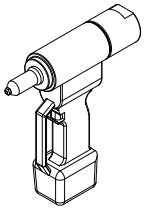
Panel Preparation Tools



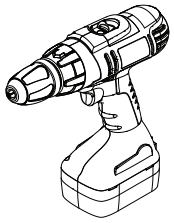
05/TUx-S-UDL
Universal Depth Locator for TU-x-S VHM Drill Bits



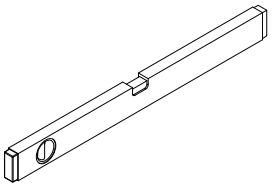
05/VHM-6,0xB
Drill Bit for TUx-S anchors
(See table on page 19)



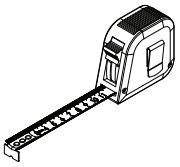
05/GT-PBPRO-L2
GESIPA Powerbird Pro battery rivet tool



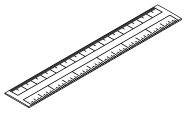
Cordless drill



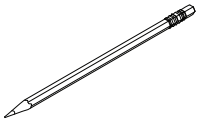
Spirit level



Measuring tape



Ruler

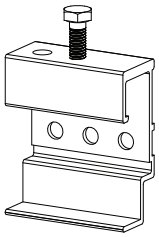


Pencil

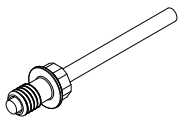
Health and Safety

DC Tech recommends the use of personal protective equipment (PPE) when working with Equitone panels

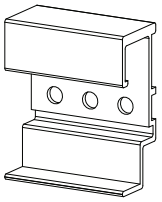
Mounting components



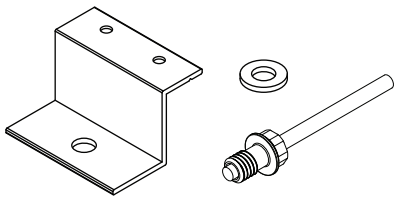
03/NV3-TUF-S-ADJ-3.5-M6
NV3 Levelling hanger 3.5mm thick for TUF - Inc. Adjust screw (3 holes)



04/TUF-S-6xA-A4
TUF-S fixing A4 Stainless Steel
(A) = Length

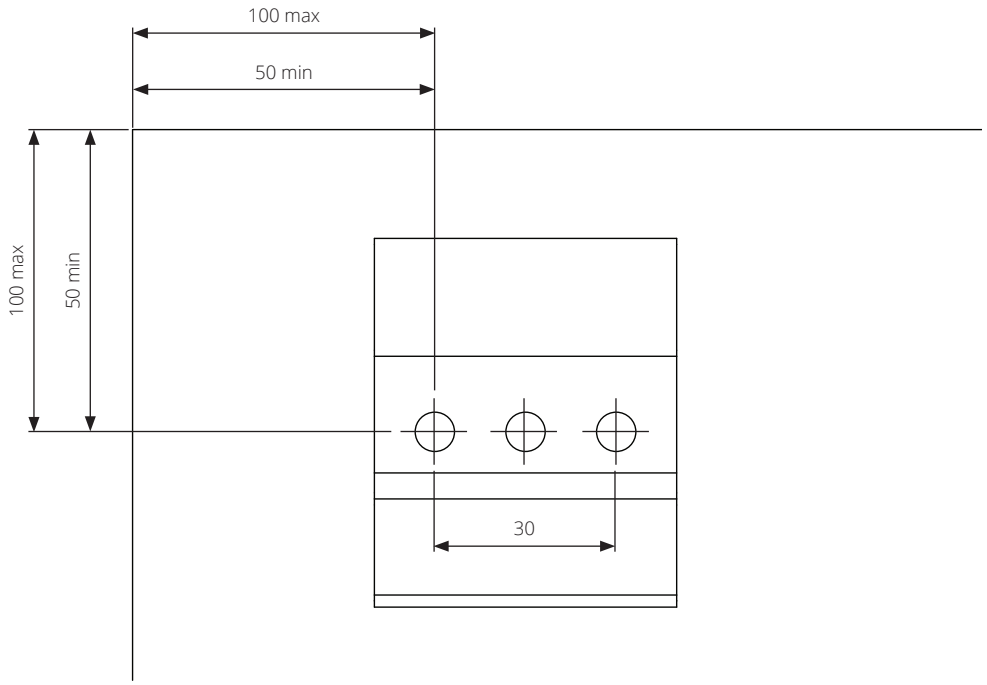


03/NV3-TUF-S-STAT-3.5
NV3 Static hanger 3.5mm thick for TUF - (3 holes)

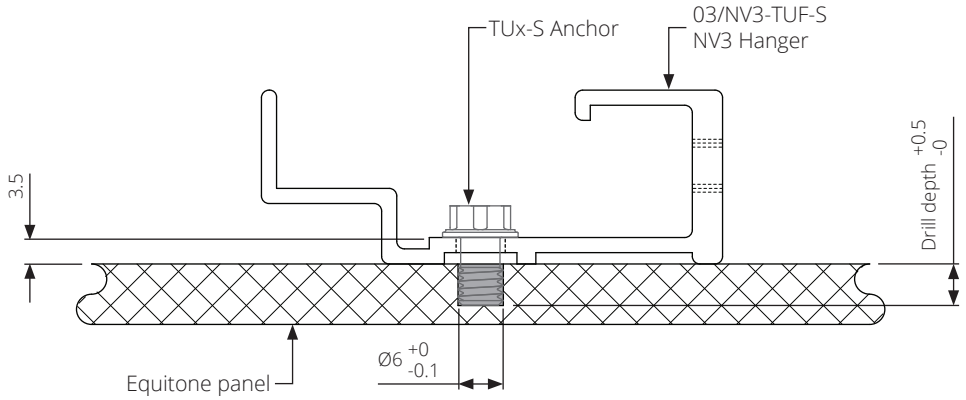


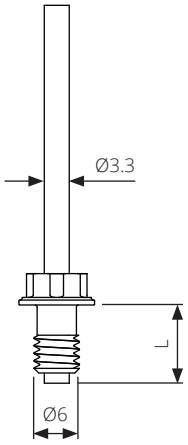
03/NV3-SL-SO-FIX
Top Slab / Soffit fix clip for TUF - Inc. washer and angle clip

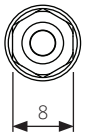
Panel edge distance limitations



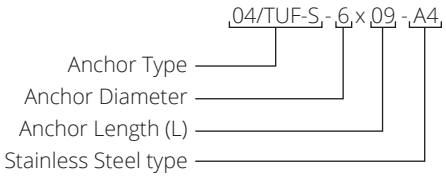
Hole Dimensions

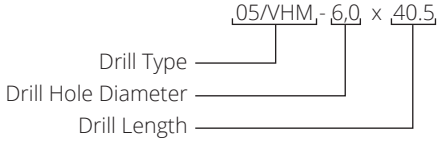






Equitone Panel	Panel Thickness (mm)	Drill Depth (mm)	TUF-S anchor	Drill Bit
[tectiva]	8	5.5	04/TUF-S-6x09-A4	05/VHM-6,0x40.5
[lines]	8	5.5	04/TUF-S-6x09-A4	05/VHM-6,0x40.5
[lunara]	10	5.5	04/TUF-S-6x09-A4	05/VHM-6,0x40.5
[materia]	8	5.5	04/TUF-S-6x09-A4	05/VHM-6,0x40.5
	12	8.5	04/TUF-S-6x12-A4	05/VHM-6,0x43.5
[natura]	8	5.5	04/TUF-S-6x09-A4	05/VHM-6,0x40.5
	12	8.5	04/TUF-S-6x12-A4	05/VHM-6,0x43.5
[pictura]	8	5.5	04/TUF-S-6x09-A4	05/VHM-6,0x40.5
	12	8.5	04/TUF-S-6x12-A4	05/VHM-6,0x43.5





Drill Bit

Prior to drilling Equitone panel, check the following:

Use only the prescribed SFS VHM blind-hole drill bit according to the depth of the anchor / panel thickness.

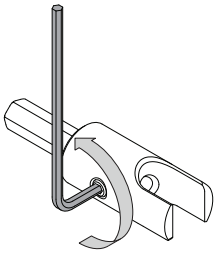
Check for signs of wear. Do not use a worn-out drill bit. Life expectancy for SFS VHM drill bits is approximately 500 holes

Do not use a drill bit with a point angle. Anchor will not set into the depth required

Depth Locator

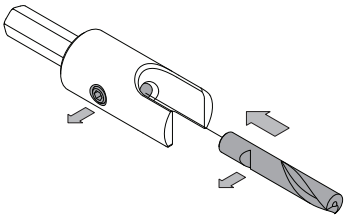
Assembly

1



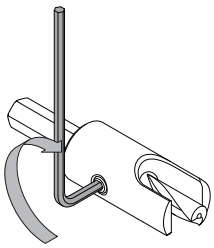
Loosen grub screw on depth locator with allen key supplied.

2



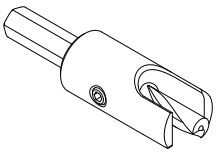
Align notch in drill bit to grub screw and insert into the depth locator.

3

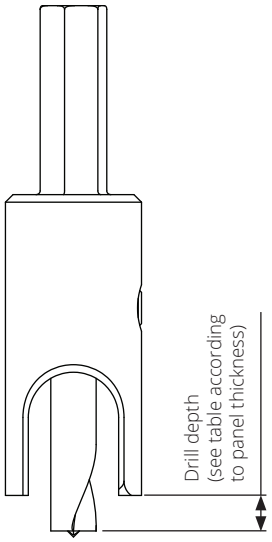


Tighten grub screw on depth locator with allen key supplied.

4

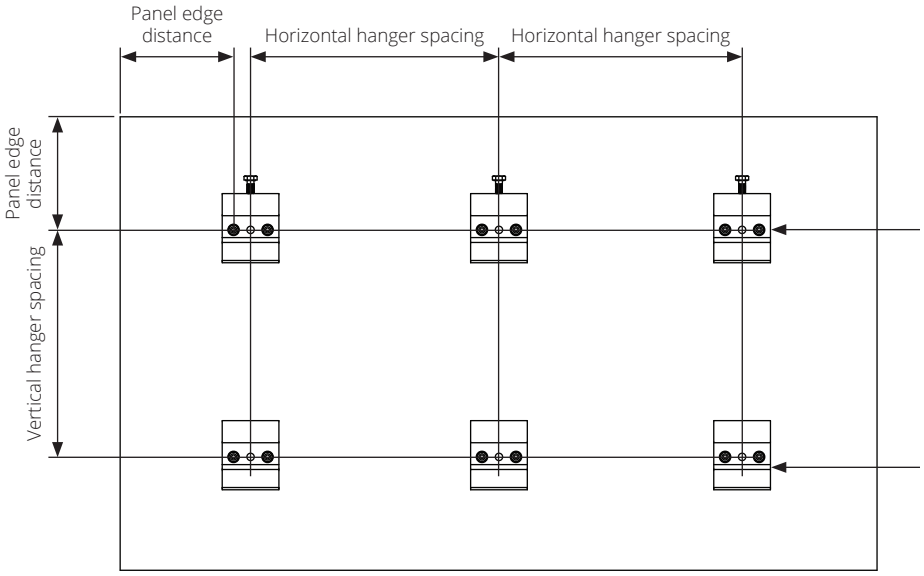


Depth locator with VHM drill bit assembled and ready to use.



Panel Thickness (mm)	Drill Depth (mm)	Tolerance		Drill Bit
		Min	Max	
8	5.5	5.5	6.0	05/VHM-6,0x40.5
10	5.5	5.5	6.0	05/VHM-6,0x40.5
12	8.5	8.5	9.0	05/VHM-6,0x43.5

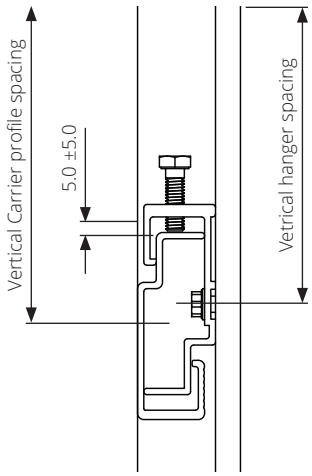
Every 100 holes check the accuracy of the depth locator as wear and tear causes the reference dimension to increase.



Adjustable Hanger
Positioned along top row of every cladding panel.
Adjustable hangers take the dead load (weight) of the cladding panel.

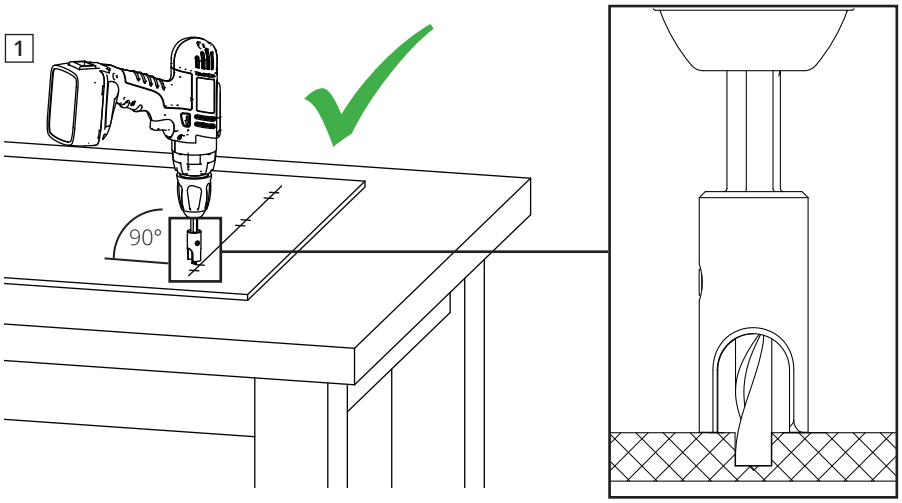
Static Hanger
Positioned below the adjustable hangers (number of hangers dependent on size of panel and wind loading).
Static Hangers deal with the positive and negative wind loads being applied to the cladding panel

Hanger Setting



Initial setting of the panel is 5mm from the NV3 carrier profile. Allows for adjustability of ±5mm

1

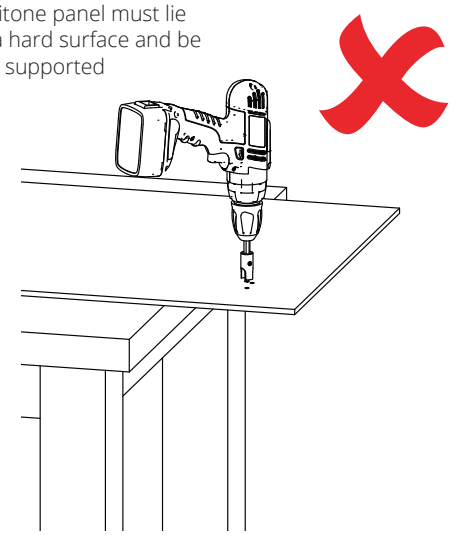


Pre-drill a Ø6mm blind-hole using a milling cutter or a SFS drill bit combined with the SFS universal depth locator.

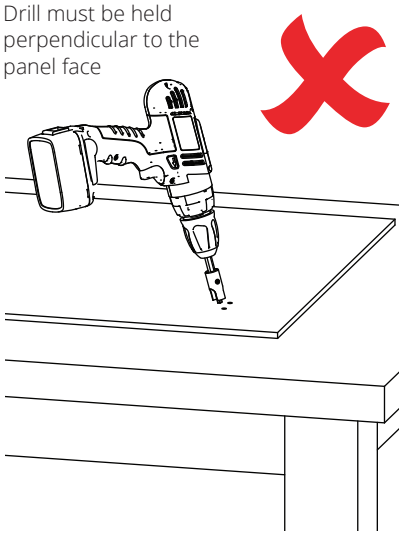
The geometry of the drill hole shall be checked minimum on 1% of all drilled holes.

Tolerance: min Ø5.9 - max Ø6.0
(Can be measured with a vernier caliper)

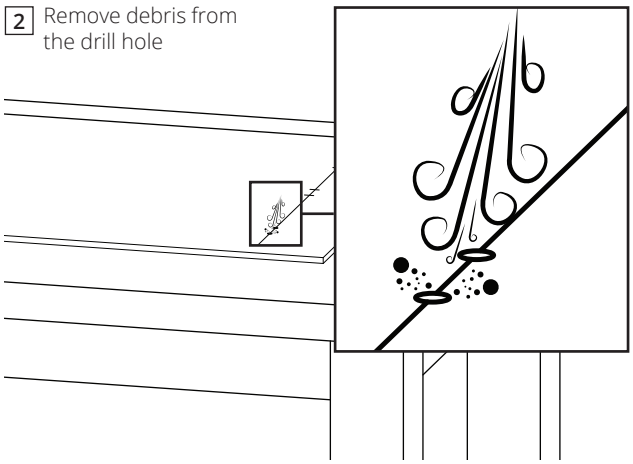
Equitone panel must lie on a hard surface and be fully supported



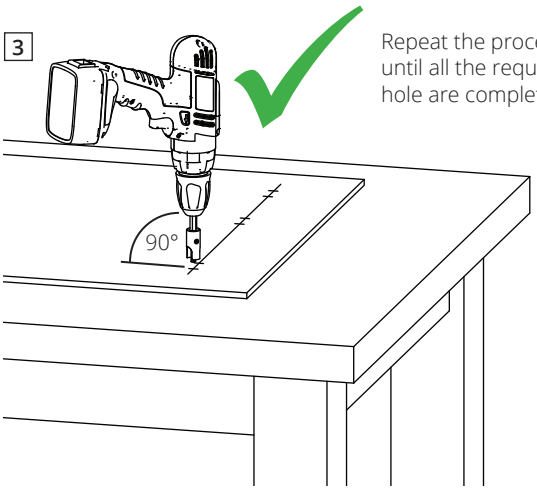
Drill must be held perpendicular to the panel face



2 Remove debris from the drill hole

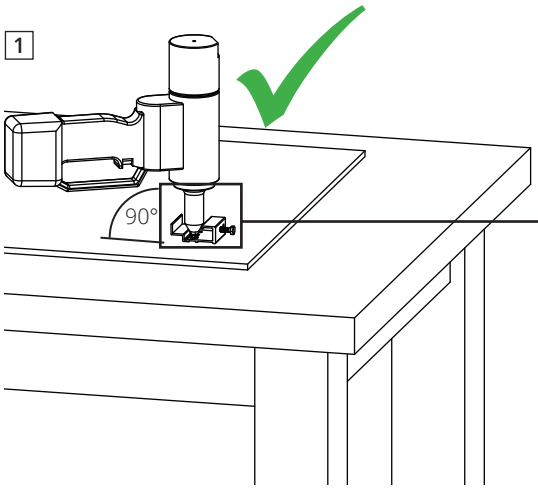


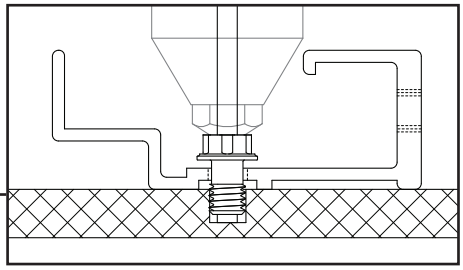
3



Repeat the process until all the required hole are completed

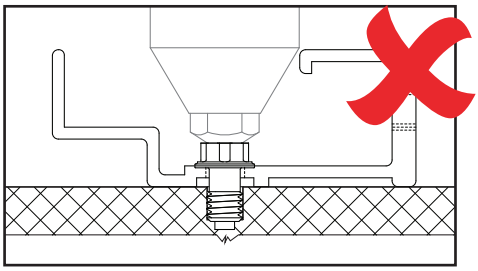
1





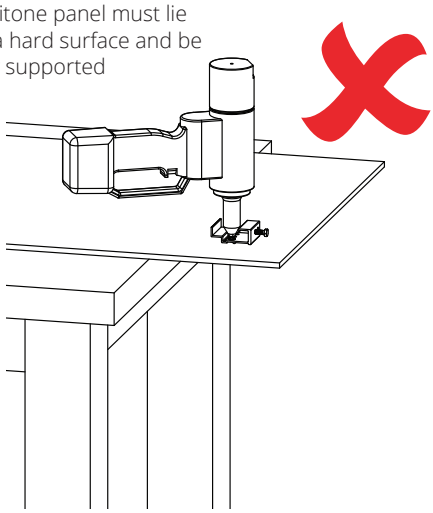
Position the pre-drilled NV3 TUF-S hanger over the hole in the panel and insert the TUF-S anchor.

Before setting there can be a small gap between the TUF-S head and the hanger.

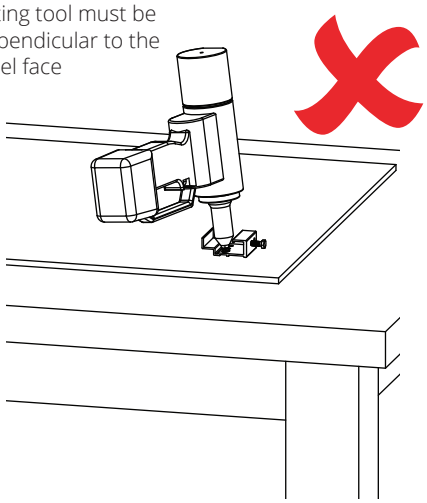


Do not apply force to the TUF-S before setting as this may cause damage to the Equitone panel face

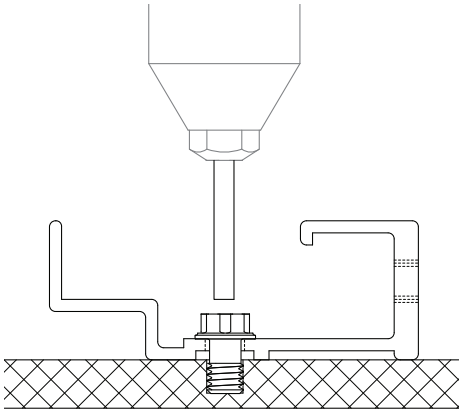
Equitone panel must lie on a hard surface and be fully supported



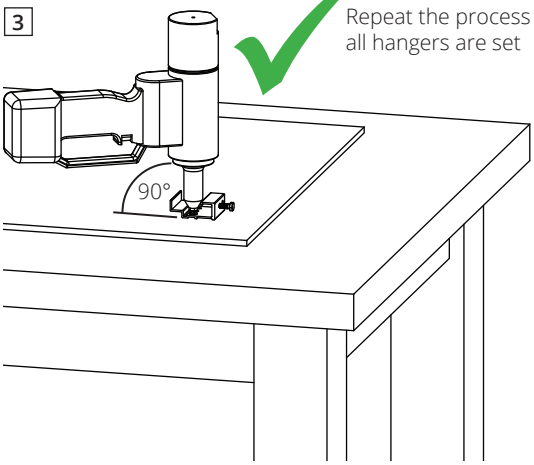
Setting tool must be perpendicular to the panel face



2 Remove mandrel



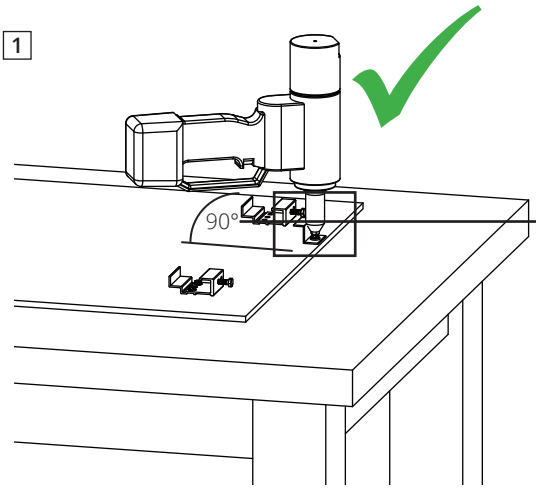
3

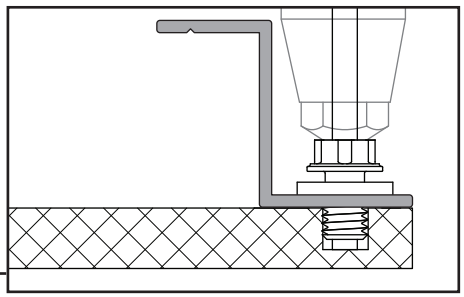


Repeat the process until all hangers are set

Pre-drilling procedure applies

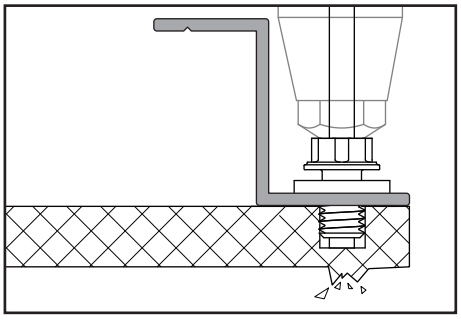
1





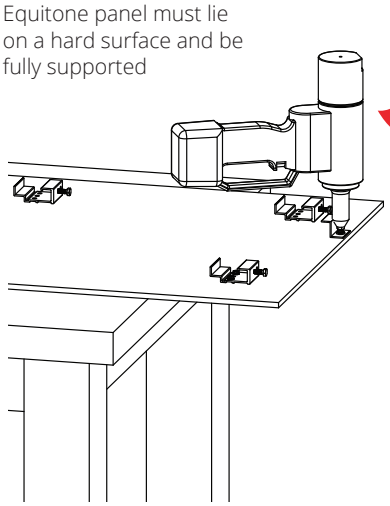
Position the pre-drilled Top slab/ soffit fix clip with the washer over the hole in the panel and insert the TUF-S anchor.

Before setting there can be a small gap between the TUF-S head and the hanger.

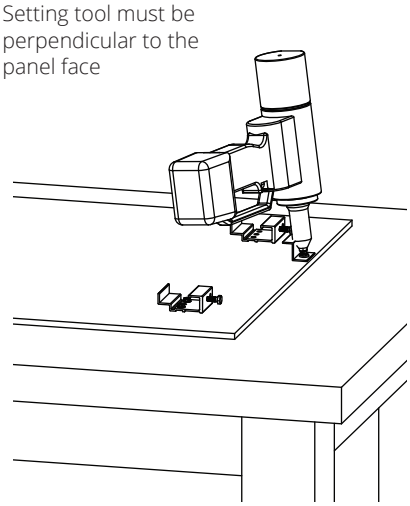


Do not apply force to the TUF-S before setting as this may cause damage to the Equitone panel face

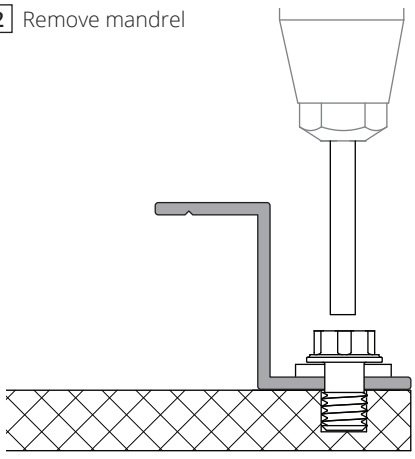
Equitone panel must lie on a hard surface and be fully supported



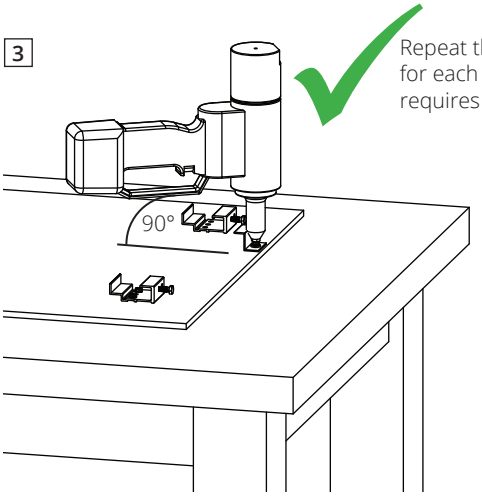
Setting tool must be perpendicular to the panel face



2 Remove mandrel

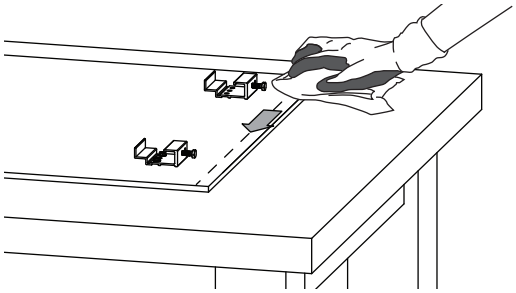


3

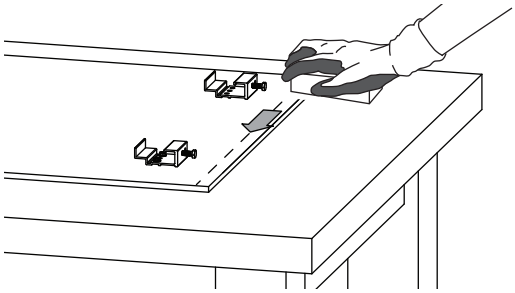


Repeat the process for each panel that requires the clip

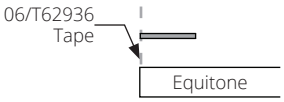
1 The surface should be free of dust, grease, oil, moisture, and other contaminants as they will significantly decrease the level of bonding. To correctly clean the surface, you can use the tesa® industry cleaner or appropriate solvents such as ethanol or isopropanol together with a lint-free cloth. Please always test the surface before using solvent

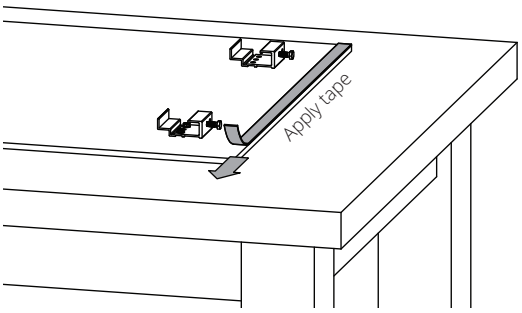


2 To increase adhesion of the tape, we recommend using the tesa® adhesion promoter 60150 or 60153 with Equitone panels. Shake well before opening. Apply a thin coating of adhesive promoter, using a clean cloth or small brush. Depending on temperature or humidity, this will take between 30sec to 5 minutes.



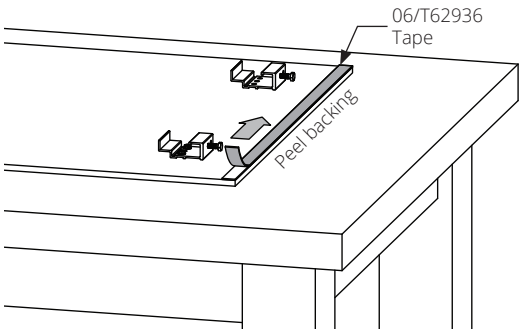
3 Apply 18 x 1.6 double sided foam tape to the Equitone panel as soon as possible after cleaning to avoid contaminants. Apply pressure to avoid air bubbles under the tape.





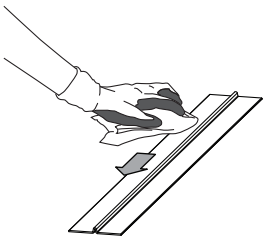
Due to immediate bonding, repositioning the tape is not recommended. Removing the tape from the part is only possible shortly after tape has been applied. Once removed, it cannot be used again and should be discarded.

4 Cut horizontal backing strip to the width of the Equitone. Remove backing prior to applying to horizontal express joint backing trim)

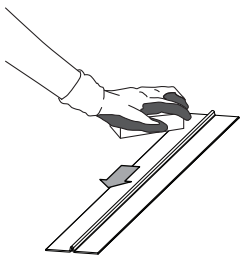


5

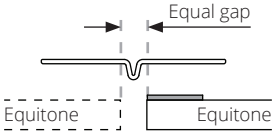
Clean the surface of the horizontal backing strip as per Step 1



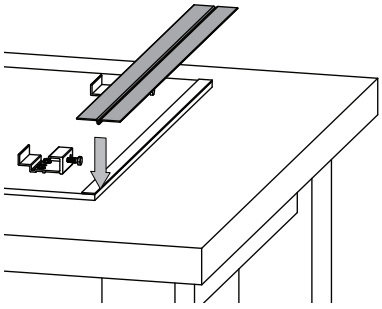
Apply adhesion promoter as per Step 2

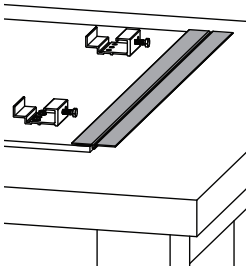


6 Immediately after cleaning, stick horizontal backing strip to Equitone



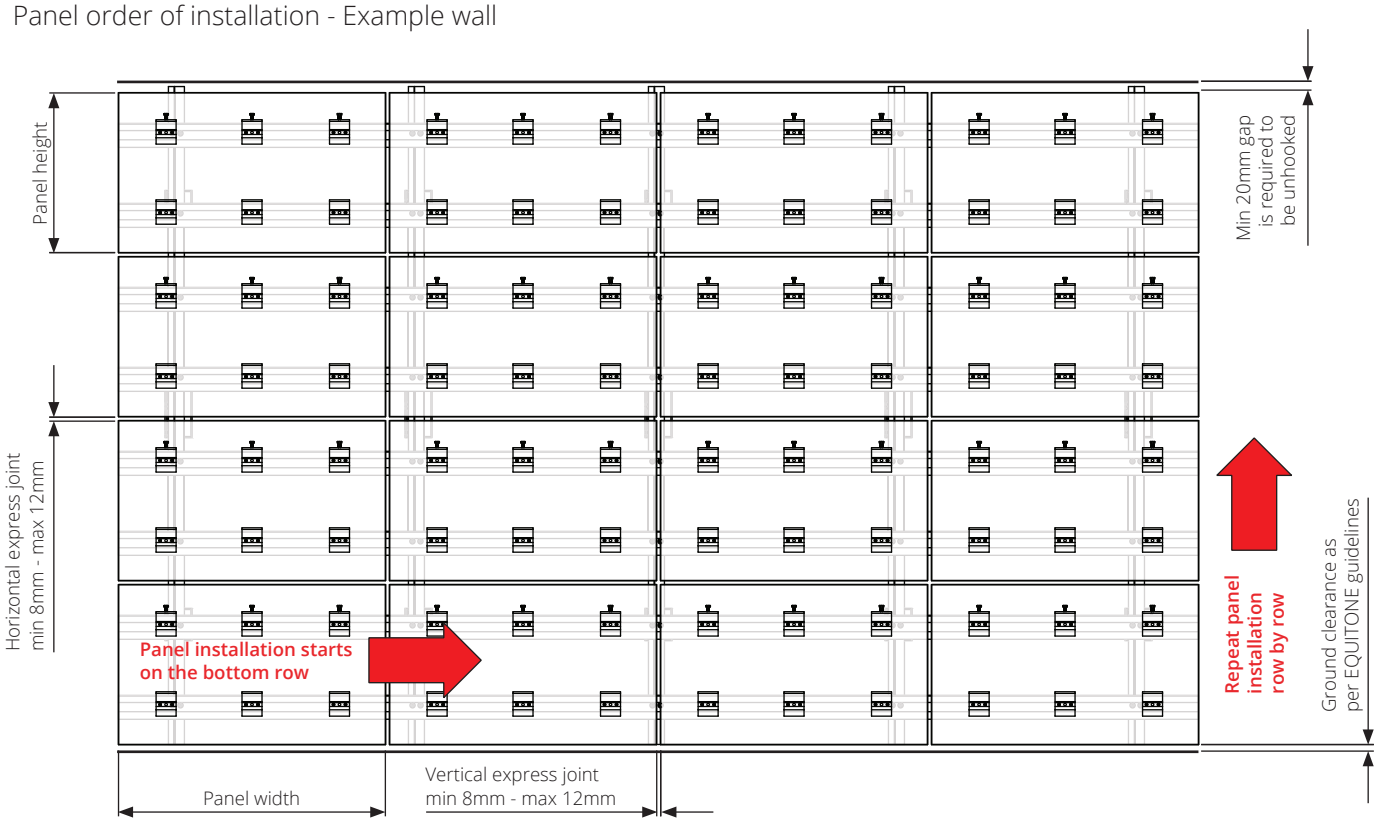
At room temperature of 21°C and 50% relative humidity, 50% of the bonding power will be achieved after 20 minutes, complete strength after 72 hours.



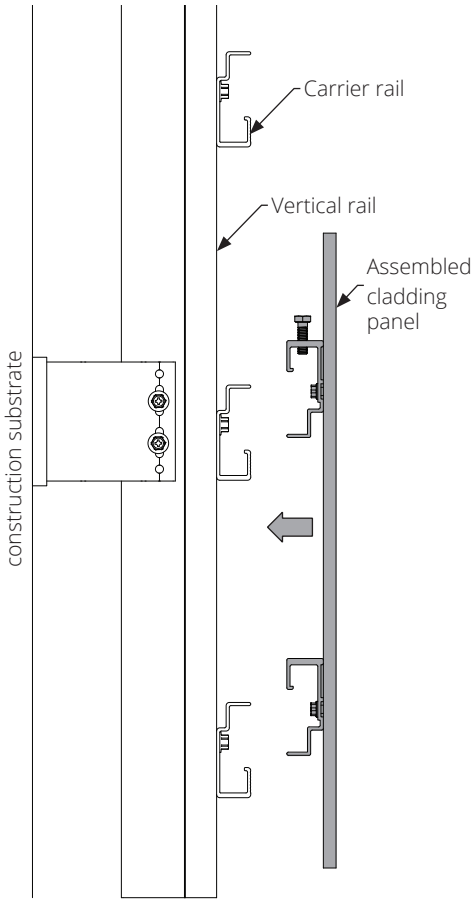


The application of tesa® products must be strict accordance with their application guidelines and recommendations. Refer to tesa® application guides for the correct application of tesa® 62936, 60150 and 60153.

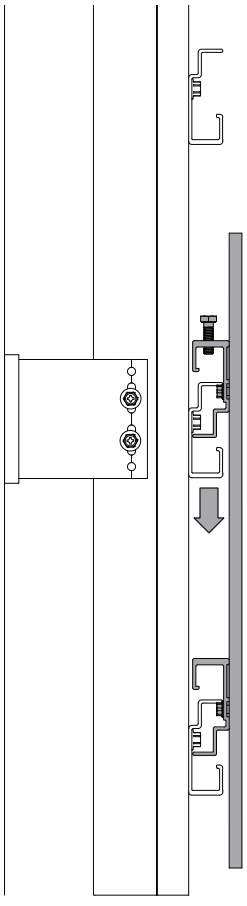
Panel order of installation - Example wall



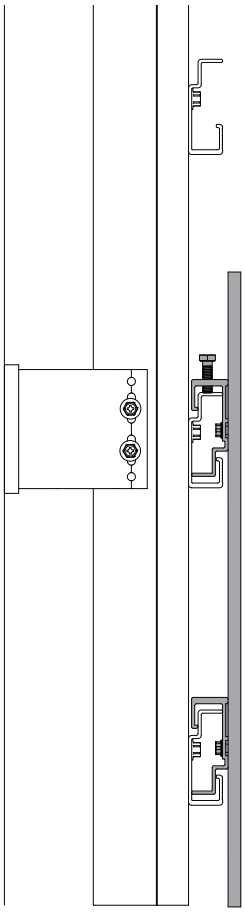
1 Present panel towards carrier rail



2 Once panel is inline, slide down to engage



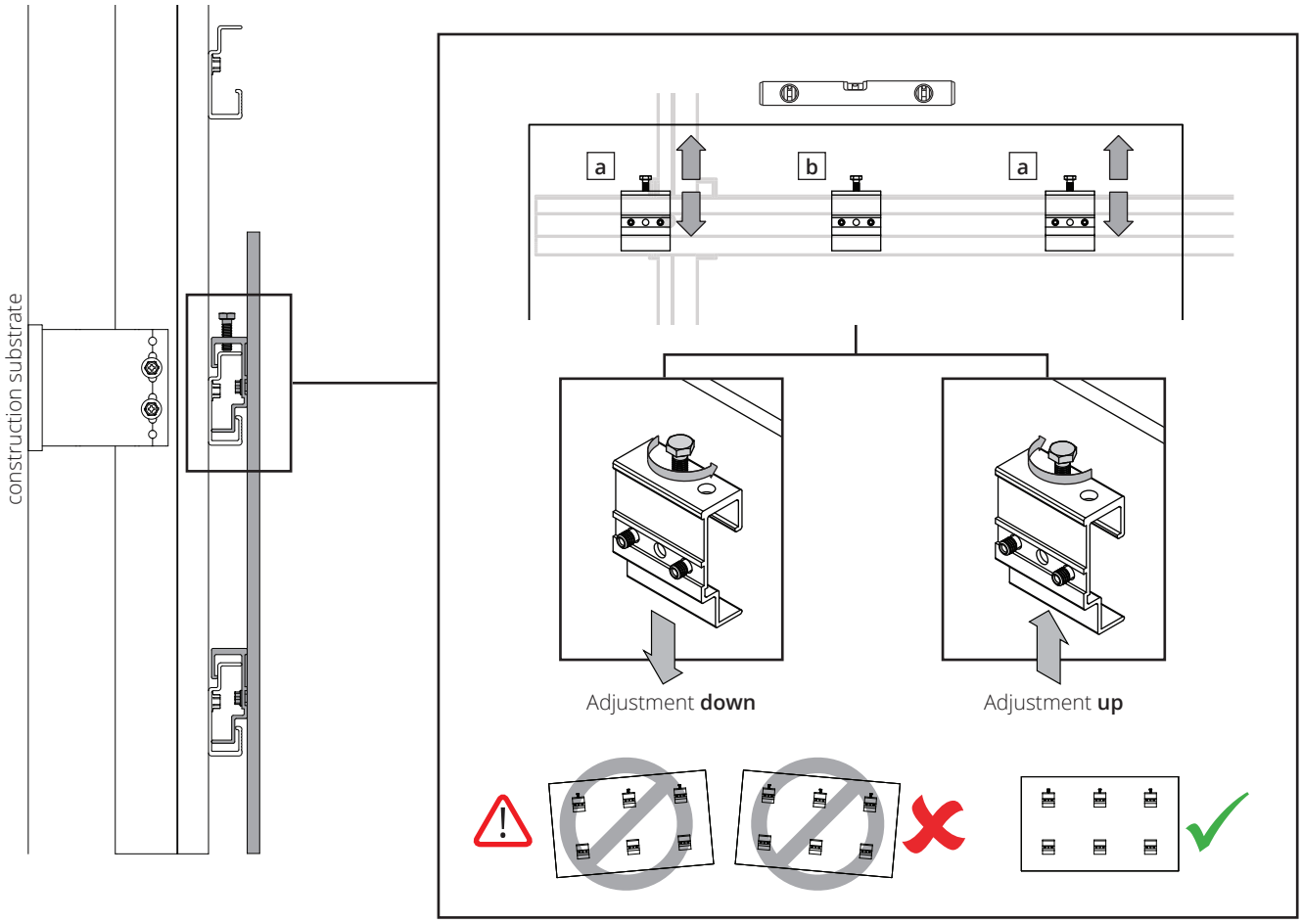
3 Panel is now ready for adjustment checks and levelling



4 Panel Adjustment

a Start with adjusting the two outer hangers first.

b Once outer hangers are adjusted and level, adjust the remaining centre hangers to the same level



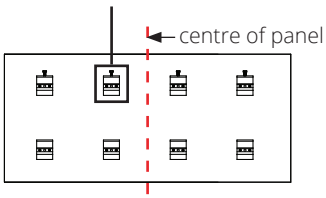
Repeat steps 1 - 4 before fixing the panel for the panels on the same row

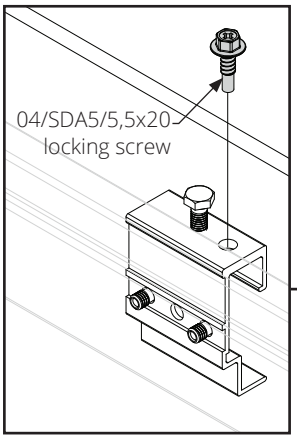
5 Panel fixing - Option 1

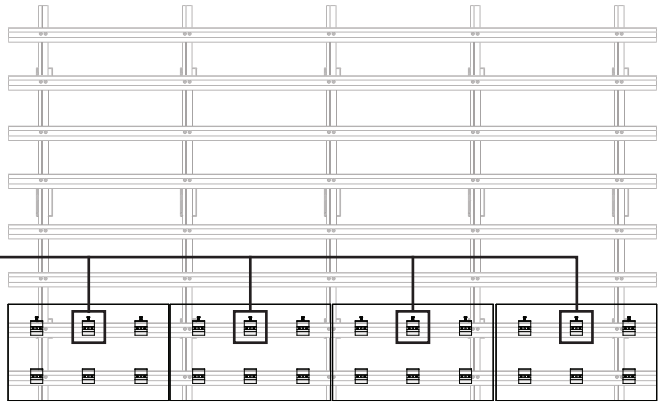
This panel fixing method is used where individual panel removability is not required and there is access to apply the 04/SDA5/5,5x20 locking screw after the installation of the panel. For other panel fixing options, please refer to pages 29 and 30

Apply 04/SDA5/5,5x20 to one of the adjustable hangers (first row) to the one closest to the middle of the panel to retain the panel from sliding.

Note: For an even number hangers on a panel, pick one left or right of the centre of the panel and apply the locking screw the same side of the remaining panels.



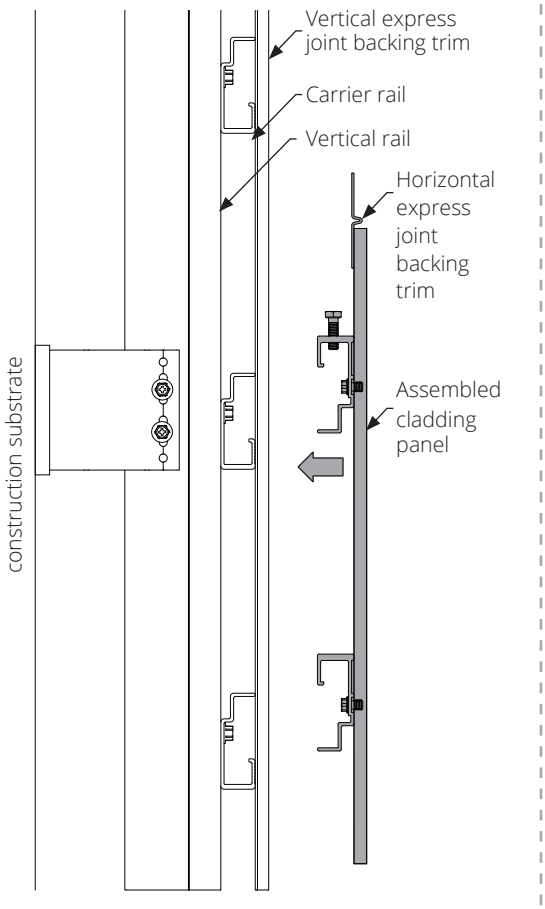




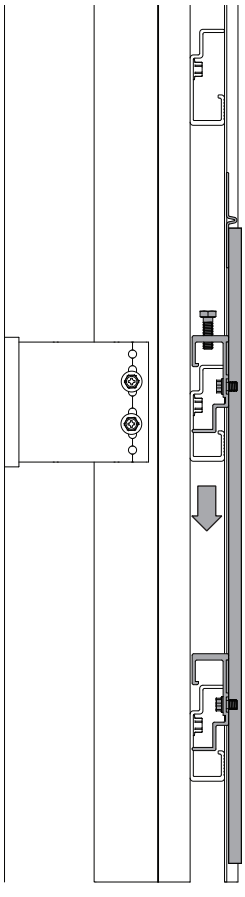
Repeat steps for the remaining rows of panels

Panel order of installation - Example wall

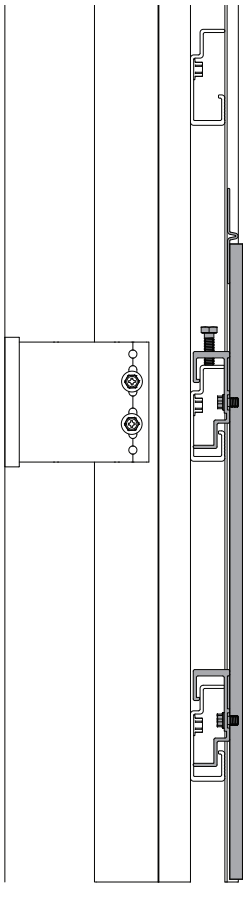
1 Present panel towards carrier rail



2 Once panel is inline, slide down to engage



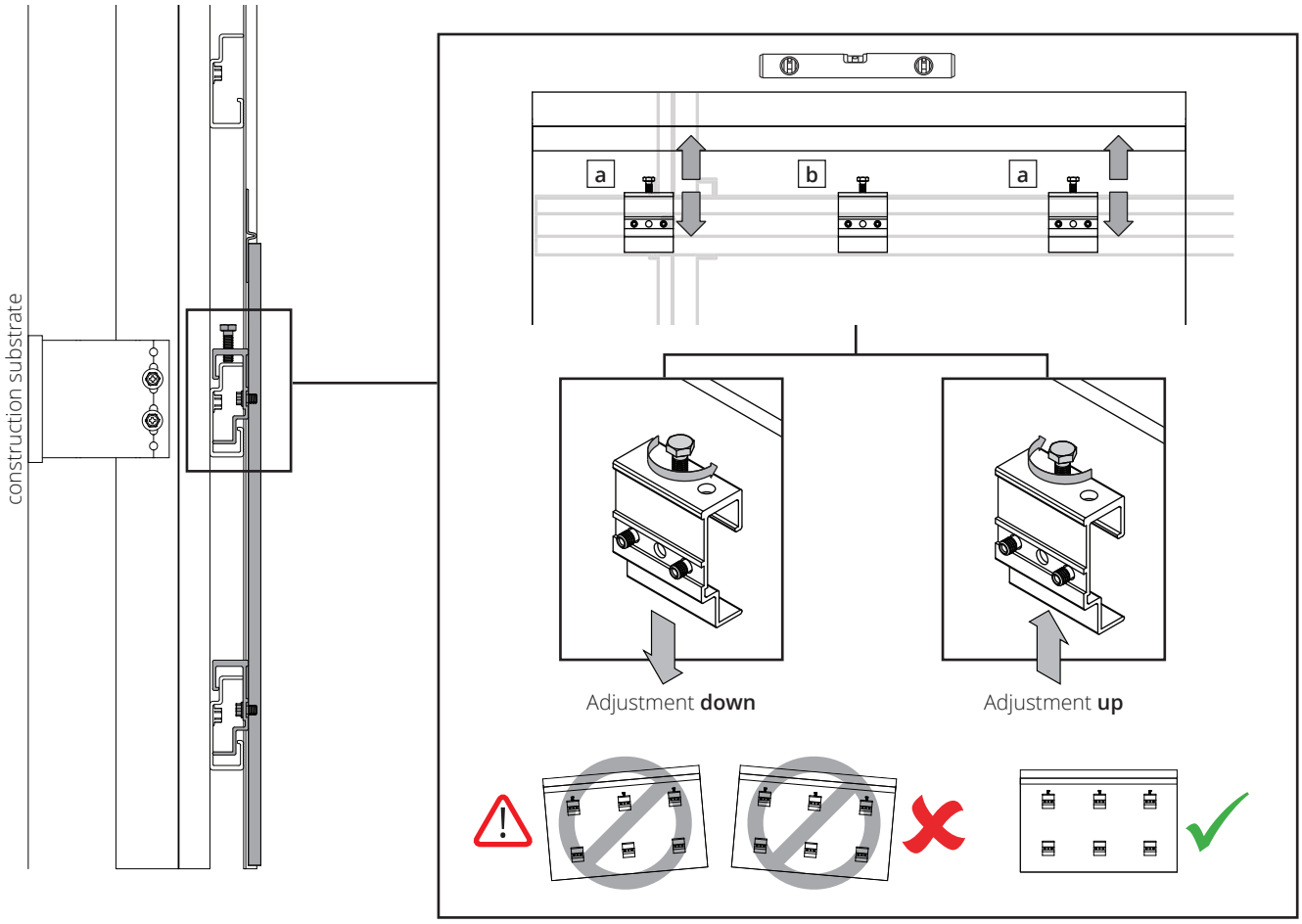
3 Panel is now ready for adjustment checks and levelling



4 Panel Adjustment

a Start with adjusting the two outer hangers first.

b Once outer hangers are adjusted and level, adjust the remaining centre hangers to the same level



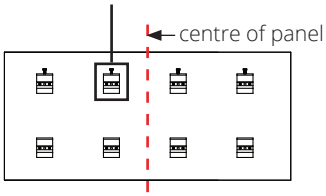
Repeat steps 1 - 4 before fixing the panel for the panels on the same row

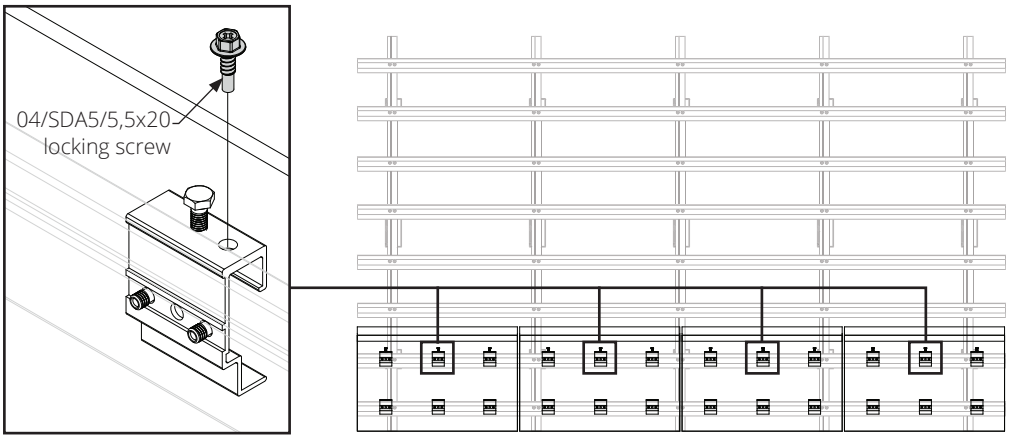
5 Panel fixing - Option 1

This panel fixing method is used where individual panel removability is not required and there is access to apply the 04/SDA5/5,5x20 locking screw after the installation of the panel. For other panel fixing options, please refer to pages 29 and 30

Apply 04/SDA5/5,5x20 to one of the adjustable hangers (first row) to the one closest to the middle of the panel to retain the panel from sliding.

Note: For an even number hangers on a panel, pick one left or right of the centre of the panel and apply the locking screw the same side of the remaining panels.



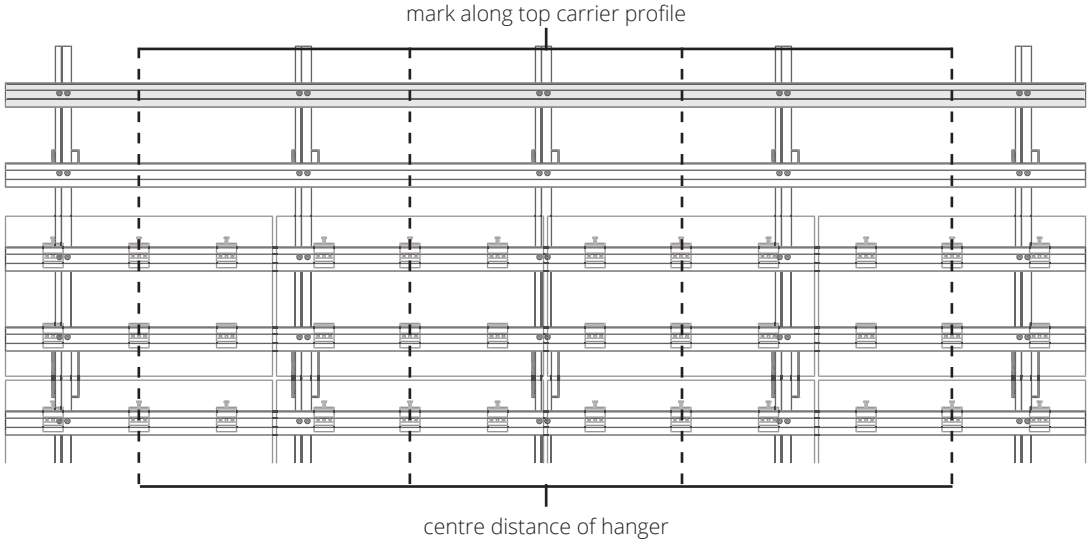


Repeat steps for the remaining rows of panels

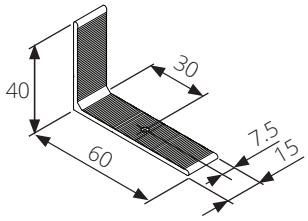
Panel fixing - Option 2

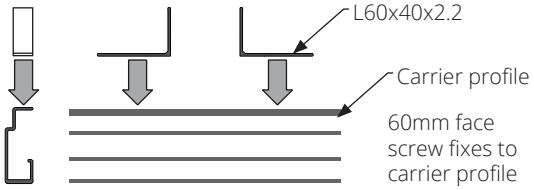
This panel fixing method is used where individual panel removability is required or where the application of Option 1 is not possible, for example where the panel interfaces a slab and there is no access to apply a locking screw after panel installation

1 Measure and mark the centre distance of the middle hanger or the hanger closest to the middle

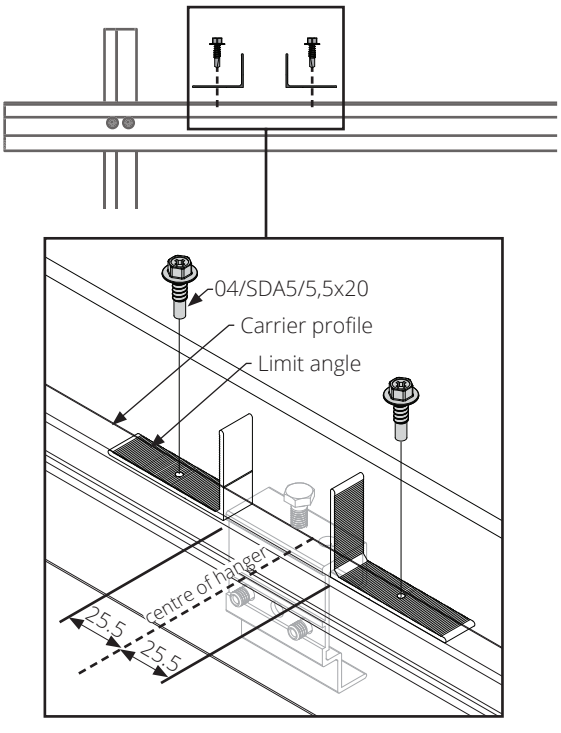


2 Cut L60x40x2.2 to 15mm pieces and pre-drill Ø4mm hole as shown.
2 per panel is required



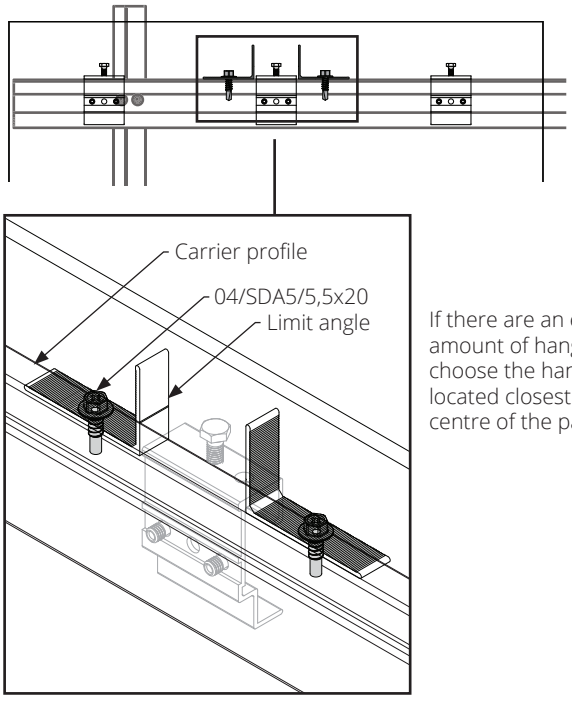


3 Screw fix 04/SDA5/5,5x20 to the limit angle on either side



Provides overall 1mm clearance for the hanger

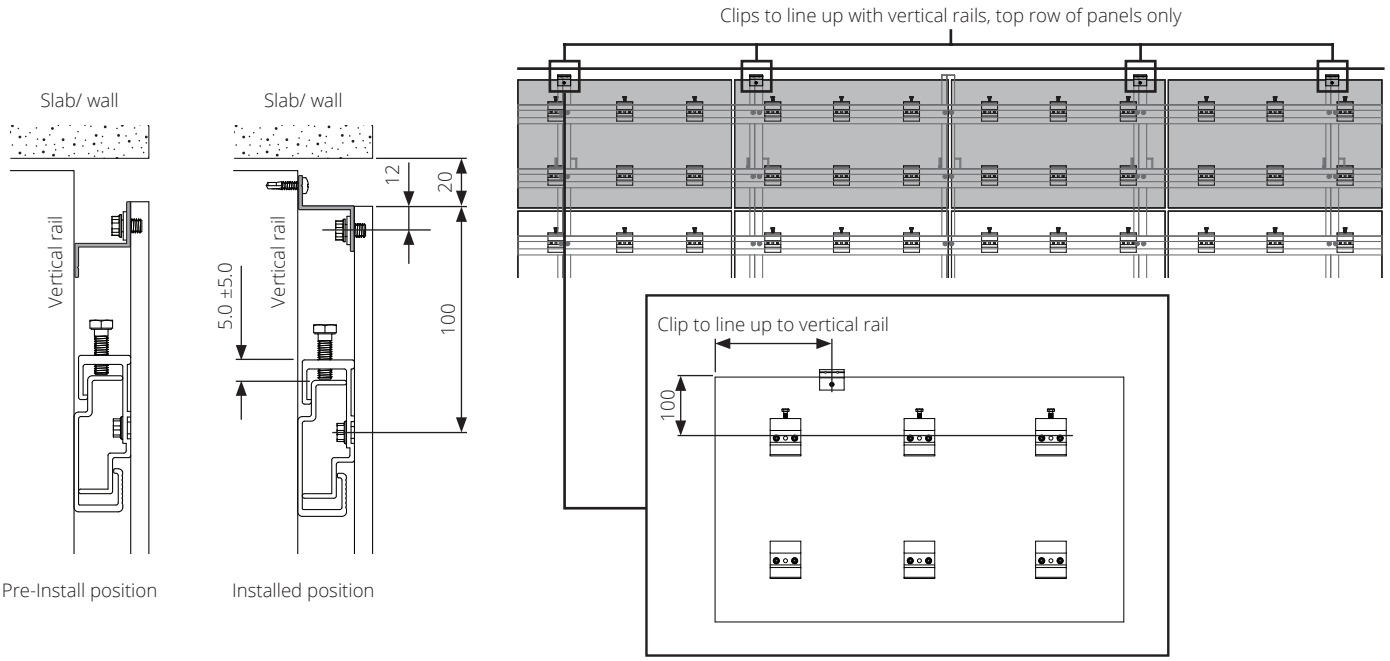
4 Hang panel and move one to the next one.
Repeat for all remaining top panels



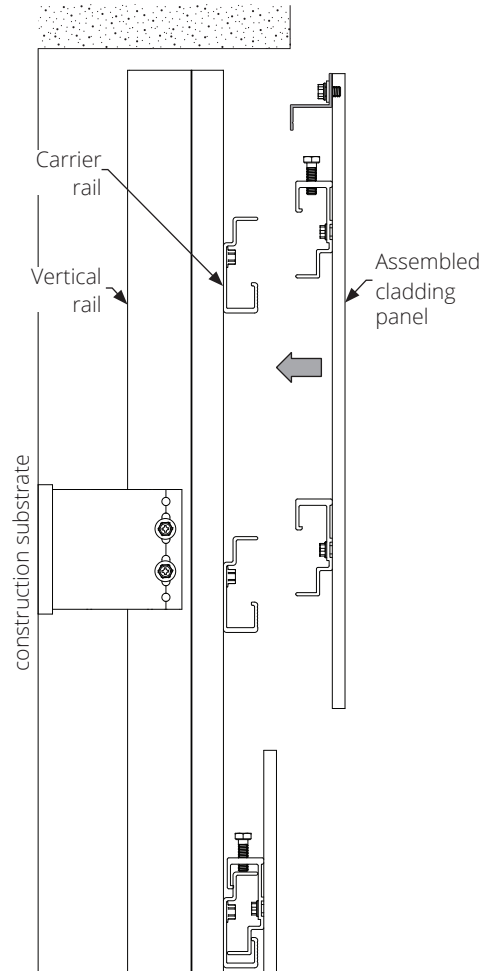
If there are an even amount of hangers choose the hanger located closest to the centre of the panel

Panel fixing - Option 3

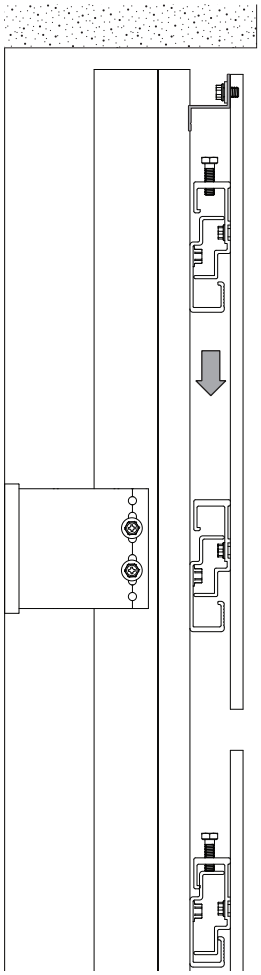
This panel fixing method is used mostly in soffit / ceiling applications where either access to apply the locking screw will be tight after panel installation or individual panel removability is required.



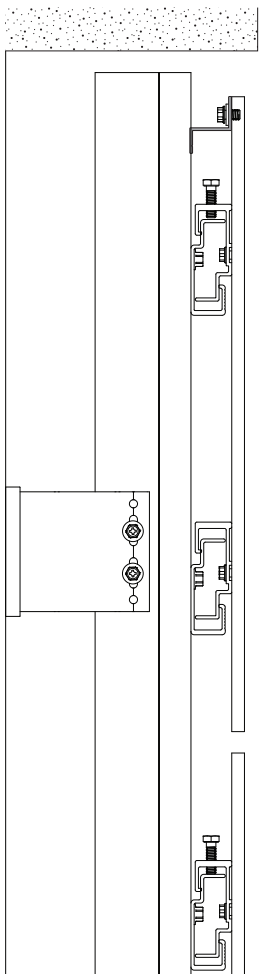
1 Present panel towards carrier rail



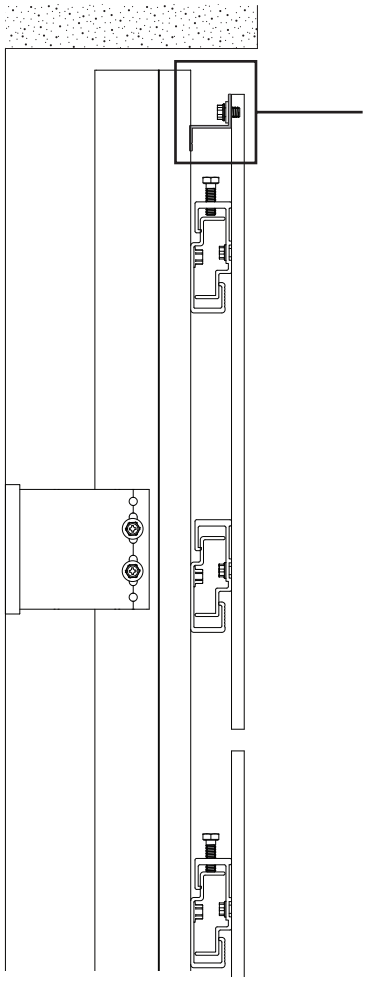
2 Once panel is inline, slide down to engage



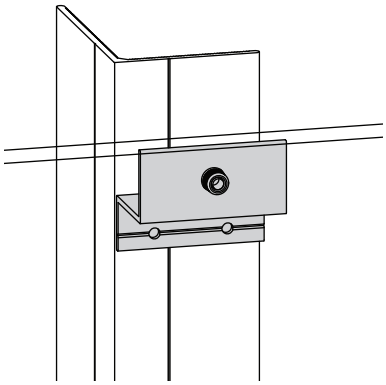
3 Panel is now ready for adjustment checks and levelling



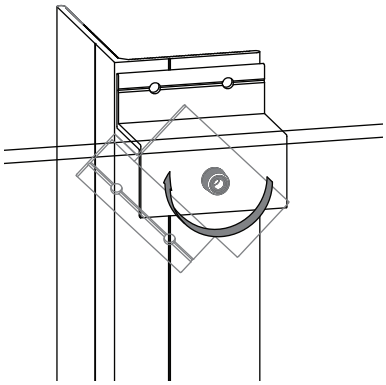
4 **Adjust panel before proceeding with these steps**



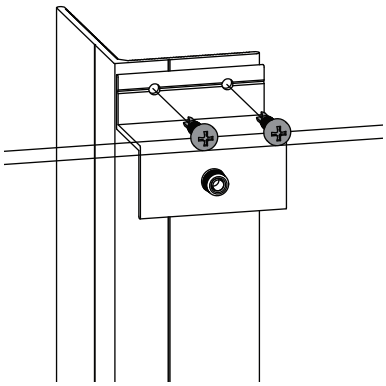
a Locate top slab/ soffit clip



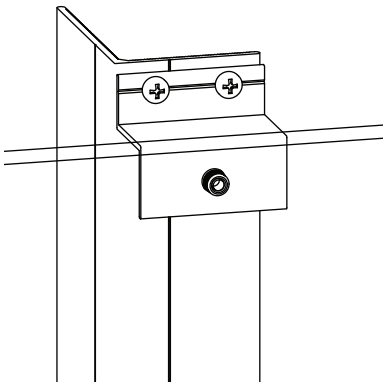
b Rotate clip to align to the vertical rail

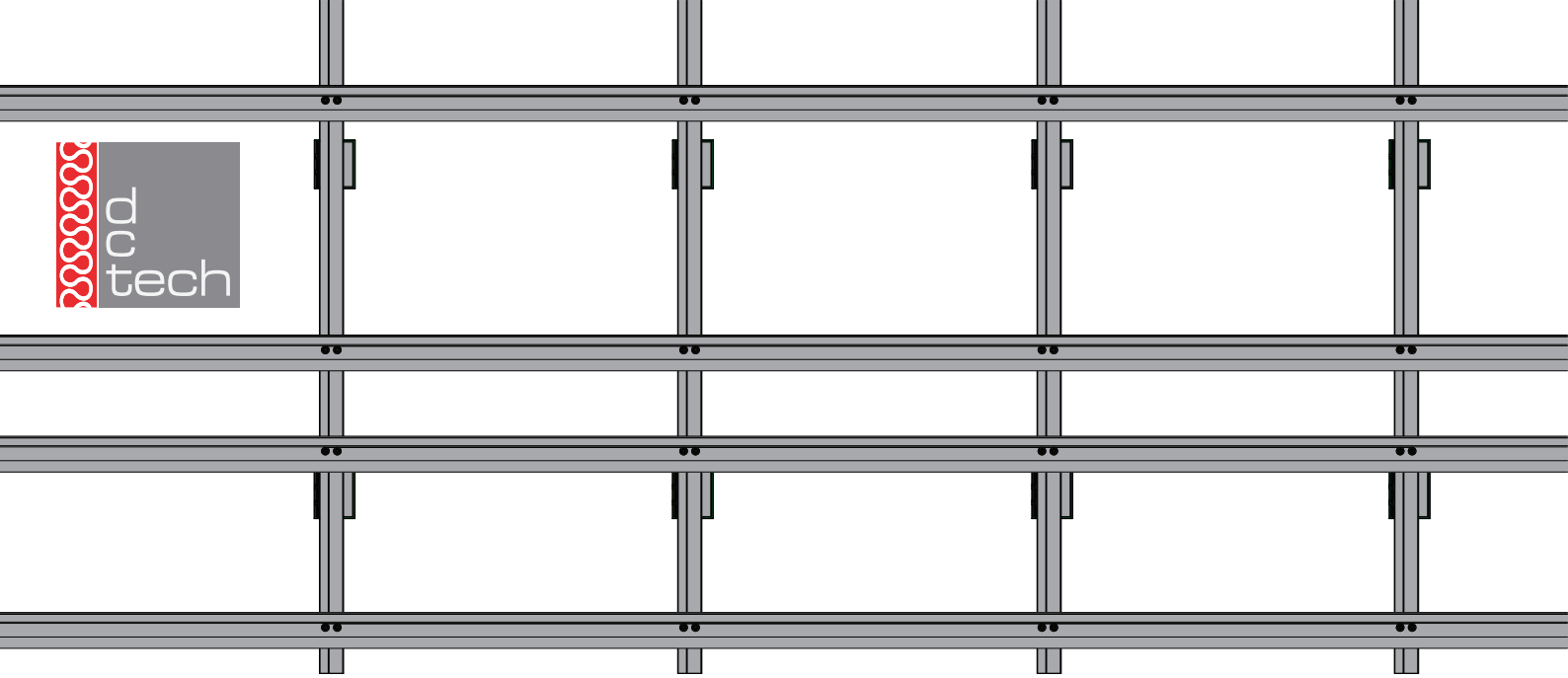


c Screw fix clip using supplied fixings



d Panel is now locked in





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Revision 1 - 31/08/2021