

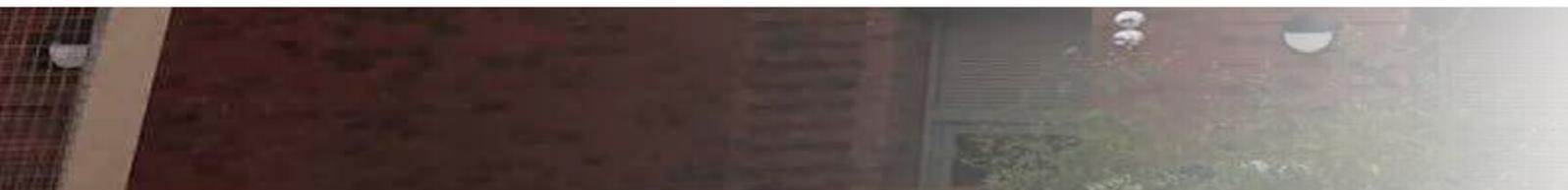


Secret Fix Panels

Elevate Your Façade Design with Aluminium Secret Fix Panels

Transform your building's exterior with our sleek, versatile Secret Fix Panels – engineered for both vertical and horizontal installation. Designed to deliver a flawless finish, these panels feature a discreet 4mm shadow gap on shorter edges and 10mm shadow gap on longer edges, with no visible fixings, ensuring a clean, modern aesthetic.

Available in face widths from 300mm to 700mm, and fully customisable in colour and size, this system unlocks endless creative possibilities. Whether you're aiming for bold architectural statements or subtle elegance, our rainscreen cladding solution combines performance, precision, and design freedom – perfect for ambitious façade projects that demand excellence.



Applications

- Secret fix panels feature an interlocking panel design
- 4mm shadow gap on shorter edges
- 10mm shadow gap on longer edges
- No visible fixings
- Compatible with other Skyline ranges including fascia, soffit, coping, window surrounds and door canopies
- Fabricated fittings are mitred, welded and have a smooth uniform finish
- Can be installed in vertical or horizontal orientation

Features & Performance

- CWCT approved with rigorous testing completed on watertightness, air permeability, wind resistance and impact resistance
- Aluminium as a material when powder coated is fire rated A2-s1,d0 in accordance with BS EN 13501-1:2018
- ISO 14001 sustainability accreditation
- Entirely weatherproof and designed for rainscreen cladding applications
- Minimal maintenance required
- Life expectancy of aluminium: 40 years (rural/suburban areas); up to 25 years (industrial/marine areas)
- Aluminium is 100% recyclable
- Easy to handle

Manufacture

- Manufactured entirely in the UK out of 3mm-thick aluminium
- ISO 9001 quality accreditation

Colours & Finishes

- Qualicoat certified polyester powder coatings in 27 factory applied colours
- Polyester powder-coated finishes are effective in extending the life of architectural aluminium on buildings
- Any BS or RAL colour available to order

Installation & Fixing

- Panels are generally installed from top to bottom and left to right
- The fixings for each panel are covered by the subsequent panel

Bracketry, Rails & Fixings

See pages 24-29



Installation Guidance

See pages 30-33



RSF9 Secret Fix Panel Dimensions

Vertical Cladding Orientation



Horizontal Cladding Orientation



Product Notes

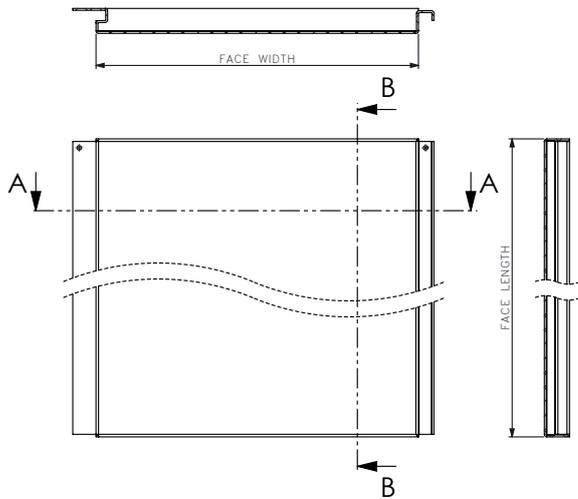
- Length refers to the face length not including additional folds for connection
- 4mm shadow gap on shorter edges
- 10mm shadow gap on longer edges
- No visible fixings
- Window trims are available
- Compatible with Skyline Window Surrounds, Fasica, Soffit and Coping systems
- When specifying and ordering please specify RAL colour (see page 14)
- Various panel sizes and colours can be combined to create endless design options
- Vertical panel installation requires our horizontal bracket and rail system
- Horizontal panel installation requires our vertical bracket and rail system

How to choose your panel size:

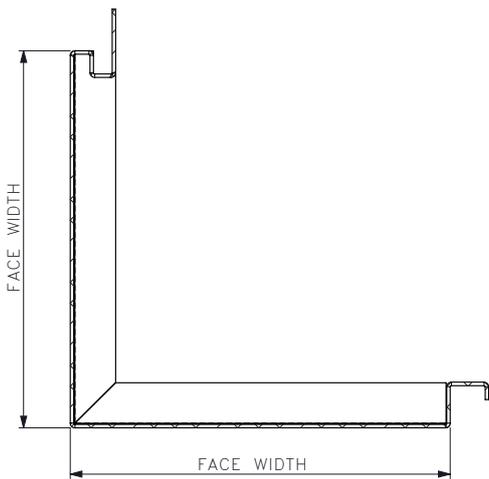
1. Measure the width of the facade where the panels will be installed
2. If corners are required allow for these first, maximum face width for corners is 300mm on either face
3. Allow 4mm expansion gap between panels on the shorter edge and 10mm on the longer edge where they interlock
4. Determine the size and number of panels required between the corners
5. Panel sizes vary with face widths between 200mm and 700mm

Panel Length Dimension Table:

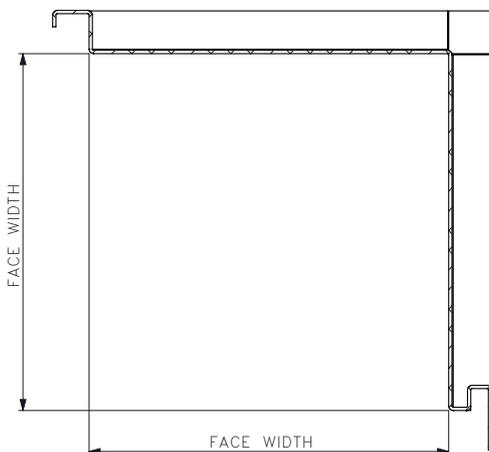
Face Width (mm)	Code Prefix
200-300	RSF9/300
301-400	RSF9/400
401-500	RSF9/500
501-600	RSF9/600
601-700	RSF9/700



Panel Lengths				
Min Face (mm)	Max Face (mm)	Length (mm)	Material Thickness	Suffix
200	700	3000	3 mm	/3MPQC
200	700	2750	3 mm	/2.75MPQC
200	700	2500	3 mm	/2.5MPQC
200	700	2250	3 mm	/2.25MPQC
200	700	2000	3 mm	/2MPQC
200	700	1750	3 mm	/1.75MPQC
200	700	1500	3 mm	/1.5MPQC
200	700	1250	3 mm	/1.25MPQC
200	700	1000	3 mm	/1MPQC
200	700	750	3 mm	/0.75MPQC
200	700	500	3 mm	/0.5MPQC



External Corners				
Min Face (mm)	Max Face (mm)	Length (mm)	Material Thickness	Code
200	300	3000	3 mm	RSF9/300/EX/3MPQC
200	300	2750	3 mm	RSF9/300/EX/2.75MPQC
200	300	2500	3 mm	RSF9/300/EX/2.5MPQC
200	300	2250	3 mm	RSF9/300/EX/2.25MPQC
200	300	2000	3 mm	RSF9/300/EX/2MPQC
200	300	1750	3 mm	RSF9/300/EX/1.75MPQC
200	300	1500	3 mm	RSF9/300/EX/1.5MPQC
200	300	1250	3 mm	RSF9/300/EX/1.25MPQC
200	300	1000	3 mm	RSF9/300/EX/1MPQC
200	300	750	3 mm	RSF9/300/EX/0.75MPQC
200	300	500	3 mm	RSF9/300/EX/0.5MPQC



Internal Corners				
Min Face (mm)	Max Face (mm)	Length (mm)	Material Thickness	Code
200	300	3000	3 mm	RSF9/300/IN/3MPQC
200	300	2750	3 mm	RSF9/300/IN/2.75MPQC
200	300	2500	3 mm	RSF9/300/IN/2.5MPQC
200	300	2250	3 mm	RSF9/300/IN/2.25MPQC
200	300	2000	3 mm	RSF9/300/IN/2MPQC
200	300	1750	3 mm	RSF9/300/IN/1.75MPQC
200	300	1500	3 mm	RSF9/300/IN/1.5MPQC
200	300	1250	3 mm	RSF9/300/IN/1.25MPQC
200	300	1000	3 mm	RSF9/300/IN/1MPQC
200	300	750	3 mm	RSF9/300/IN/0.75MPQC
200	300	500	3 mm	RSF9/300/IN/0.5MPQC

Secret Fix Panel Window Detailing

Elevate your Rainscreen Cladding project with our innovative modular window detailing system, designed for a flawless, integrated finish. This discreet solution enhances aesthetics while delivering superior functionality. Each component—from precision-engineered trims for every reveal to factory-mitred, welded corners and a robust lower cill—works together to ensure seamless installation and optimal rainwater management. The result? A sleek, professional look that protects your building and sets your design apart.



Key Features

- Handed left and right trims to integrate into the jointing method of the connecting panels
- Fitted using visible colour coded fixings
- Fully bespoke offer to conceal the reveal created by the cladding system
- Discreet integrated design which finishes flush with the outer face of the cladding



Modular Components

- Left hand trim - Interlocking with panel design
- Right hand trim - Interlocking with panel design
- Top trim - Interlocking with panel design
- Factory mitred and welded corners
- Lower Cill - Designed to take any rainwater away from the building

Skyline Window Surrounds

Architectural Aluminium Window Pods combine the functionality of a traditional window with special features of detailing for that ultimate contemporary design aesthetic. Our window pods can add visual interest, variety and colour to a building façade.

Key Features

Innovative Fixing Bracket



- Easy-to-install complete kits with innovative bracket design that allows for fixing direct to the building façade
- Robust 3mm-thick aluminium bracket
- Eliminates the requirement for costly boxing/joinery
- Wall fixing support brackets with cantilever design and wide fixing surface area for ease of installation



Deeline & Slimline

- Scope for designers and specifiers to make a variety of visual statements from subtle to bold modernism
- Adds visual interest and appeal to the building façade, creating a distinctive architectural design aesthetic
- Equally well suited for new build or retrofit to improve older buildings by breathing new life into tired and dated façades



Modular Components

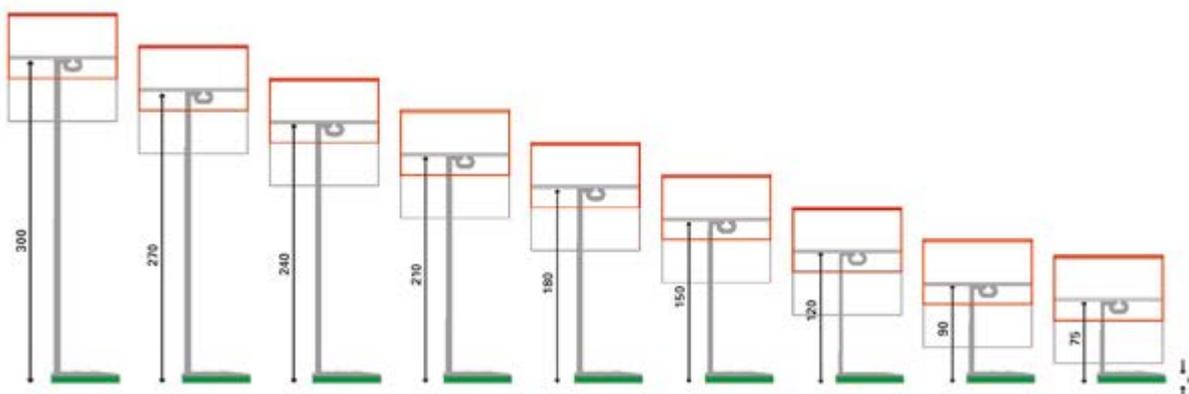


- Universal corners
- Flexibility through modular component design solutions
- Available in pre-packet kits

- Made from 2mm non-combustible aluminium sheet
- Robust powder-coated finish
- Long life and low maintenance

NH3 Bracketry - Secret Fix Vertical Installation

Single or Double Bracket	Min System (mm)	Max System (mm)	Slot Width (mm)	Material Thickness (mm)	Code
Single	77	117	6.5	3	RB/NH3/75/6.5
Single	92	132	6.5	3	RB/NH3/90/6.5
Single	122	162	6.5	3	RB/NH3/120/6.5
Single	152	192	6.5	3	RB/NH3/150/6.5
Single	182	222	6.5	3	RB/NH3/180/6.5
Single	212	252	6.5	3	RB/NH3/210/6.5
Single	242	282	6.5	3	RB/NH3/240/6.5
Single	272	312	6.5	3	RB/NH3/270/6.5
Single	302	342	6.5	3	RB/NH3/300/6.5
Single	77	117	11	3	RB/NH3/75/11
Single	92	132	11	3	RB/NH3/90/11
Single	122	162	11	3	RB/NH3/120/11
Single	152	192	11	3	RB/NH3/150/11
Single	182	222	11	3	RB/NH3/180/11
Single	212	252	11	3	RB/NH3/210/11
Single	242	282	11	3	RB/NH3/240/11
Single	272	312	11	3	RB/NH3/270/11
Single	302	342	11	3	RB/NH3/300/11

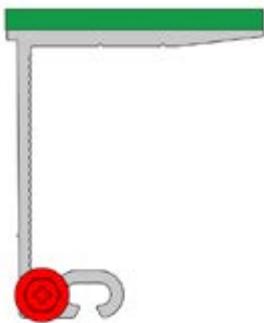


Our NH3 system uses aluminium brackets with a plastic base to minimise cold bridging. The bracketry, when combined with relevant rails, is designed to support a horizontal backframe for vertically aligned secret fix panels. It is supplied as single brackets with slot width options of 6.5mm or 11mm, and it accommodates system depths ranging from a minimum of 77mm to a maximum of 342mm.



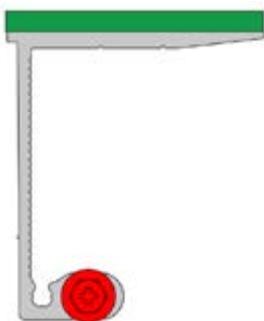
NH3 Brackets

- Manufactured from aluminium with plastic base to reduce cold bridging
- Bracketry for the support of a horizontal backframe
- Provides a solution for vertically aligned panel systems
- Available only as single brackets
- Slot widths of 6.5mm (steel & timber substrates) or 11mm slots (brick, block or concrete)
- Minimum system depth of 77mm
- Maximum system depth of 342mm



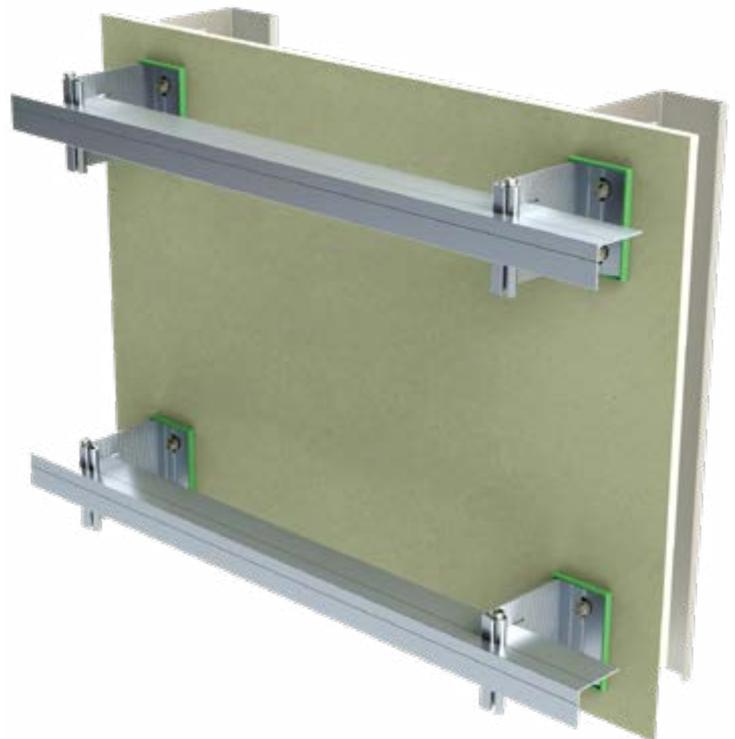
Fixed Points

- Allows no movement within the system
- Absorbs dead loads
- Always follow the position of fixed points detailed in the static calculations completed for the project



Sliding Points

- Allows movement within the system
- Absorbs dynamic loads and expansion
- Always follow the position of sliding points detailed in the static calculations completed for the project



NV1 Bracketry - Secret Fix Horizontal Installation

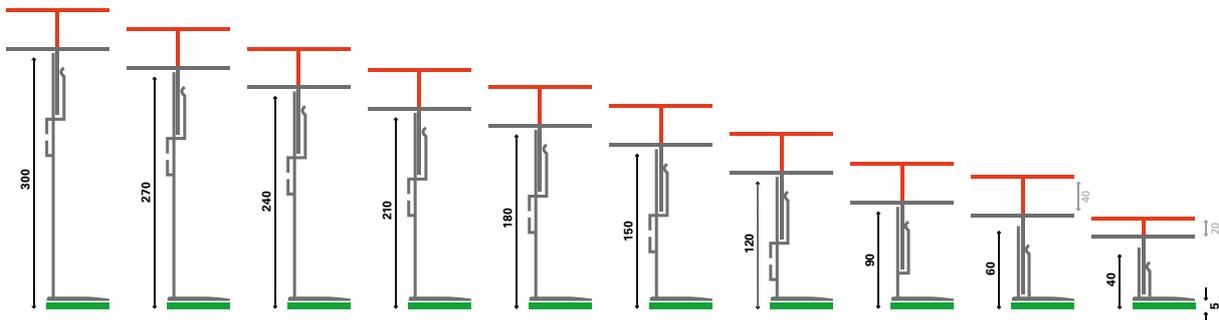
Single or Double Bracket	Min System (mm)	Max System (mm)	Slot Width (mm)	Material Thickness (mm)	Code
Single	47	67	6.5/11	5	RB/NV1/40
Single	62	102	6.5/11	5	RB/NV1/60
Single	92	132	6.5/11	5	RB/NV1/90
Single	122	162	6.5/11	5	RB/NV1/120
Single	152	192	6.5/11	5	RB/NV1/150
Single	182	222	6.5/11	5	RB/NV1/180
Single	212	252	6.5/11	5	RB/NV1/210
Single	242	282	6.5/11	5	RB/NV1/240
Single	272	312	6.5/11	5	RB/NV1/270
Single	302	342	6.5/11	5	RB/NV1/300
Single	332	372	6.5/11	5	RB/NV1/270EXT
Single	362	402	6.5/11	5	RB/NV1/300EXT
Double	47	67	6.5	5	RDB/NV1/40/6.5
Double	62	102	6.5	5	RDB/NV1/60/6.5
Double	92	132	6.5	5	RDB/NV1/90/6.5
Double	122	162	6.5	5	RDB/NV1/120/6.5
Double	152	192	6.5	5	RDB/NV1/150/6.5
Double	182	222	6.5	5	RDB/NV1/180/6.5
Double	212	252	6.5	5	RDB/NV1/210/6.5
Double	242	282	6.5	5	RDB/NV1/240/6.5
Double	272	312	6.5	5	RDB/NV1/270/6.5
Double	302	342	6.5	5	RDB/NV1/300/6.5
Double	332	372	6.5	5	RDB/NV1/270EXT/6.5
Double	362	402	6.5	5	RDB/NV1/300EXT/6.5
Double	47	67	11	5	RDB/NV1/40/11
Double	62	102	11	5	RDB/NV1/60/11
Double	92	132	11	5	RDB/NV1/90/11
Double	122	162	11	5	RDB/NV1/120/11
Double	152	192	11	5	RDB/NV1/150/11
Double	182	222	11	5	RDB/NV1/180/11
Double	212	252	11	5	RDB/NV1/210/11
Double	242	282	11	5	RDB/NV1/240/11
Double	272	312	11	5	RDB/NV1/270/11
Double	302	342	11	5	RDB/NV1/300/11
Double	332	372	11	5	RDB/NV1/270EXT/11
Double	362	402	11	5	RDB/NV1/300EXT/11

Our NV1 system uses aluminium brackets with a plastic base to minimise cold bridging. The bracketry, when combined with relevant rails, is designed to support a vertical backframe for horizontally aligned secret fix panels. It is supplied as single or double brackets with slot width options of 6.5mm or 11mm, and it accommodates system depths ranging from a minimum of 47mm to a maximum of 402mm.

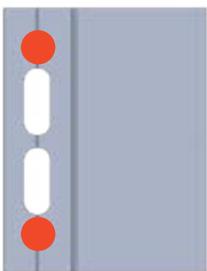


NV1 Brackets

- Manufactured from aluminium with plastic base to reduce cold bridging
- Bracketry for the support of a vertical backframe
- Provides a solution for horizontally aligned panel systems
- Available as both single and double brackets
- Slot widths of 6.5mm (steel & timber substrates) or 11mm slots (brick, block or concrete)
- Minimum system depth of 47mm
- Maximum system depth of 402mm

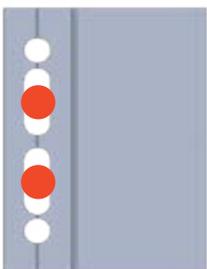


Fixed Points



- Allows no movement within the system
- Absorbs dead loads
- Always follow the position of fixed points detailed in the static calculations completed for the project

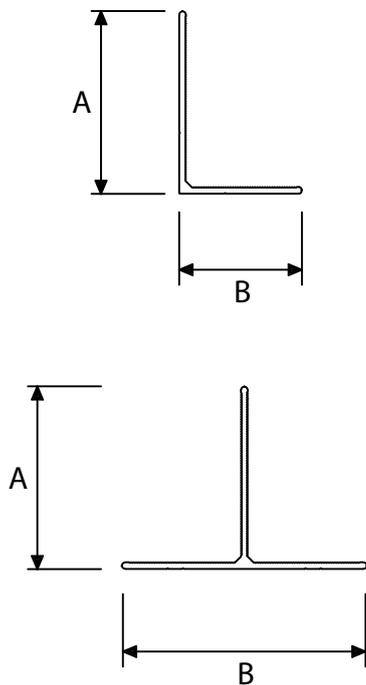
Sliding Points



- Allows movement within the system
- Absorbs dynamic loads and expansion
- Always follow the position of sliding points detailed in the static calculations completed for the project

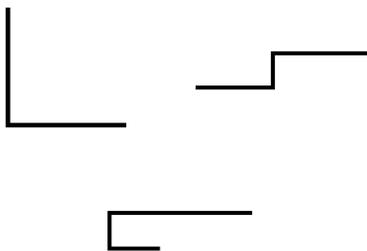
Rails & Fixings

Rails



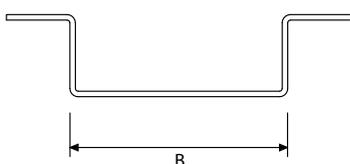
Profile	A (mm)	B (mm)	Length (mm)	Material Thickness	Code
L	60	40	3000	2.2	RLR/60/40/3M
L	60	40	3600	2.2	RLR/60/40/3.6M
L	60	40	4850	2.2	RLR/60/40/4.85M
L	60	40	6000	2.2	RLR/60/40/6M
L	60	40	VAR	2.2	RLR/60/40/VAR
T	60	100	3000	2.2	RTR/40/100/3M
T	60	100	6000	2.2	RTR/40/100/6M
T	60	100	VAR	2.2	RTR/40/100/VAR
T	60	100	3000	2.2	RTR/60/100/3M
T	60	100	4850	2.2	RTR/60/100/4.85M
T	60	100	6000	2.2	RTR/60/100/6M
T	60	100	VAR	2.2	RTR/60/100/VAR
T	60	140	3000	2.2	RTR/60/140/3M
T	60	140	6000	2.2	RTR/60/140/6M
T	60	140	VAR	2.2	RTR/60/140/VAR

Closers/Trims/Channels



Profile	Material	No. of Bends	Length (mm)	Material Thickness	Code
VAR	Alu	1	3000	2	RCA1/100/3MPQC
VAR	Alu	1	3000	2	RCA1/200/3MPQC
VAR	Alu	2	3000	2	RCA2/100/3MPQC
VAR	Alu	2	3000	2	RCA2/200/3MPQC
VAR	Alu	3	3000	2	RCA3/200/3MPQC
VAR	Alu	3	3000	2	RCA3/300/3MPQC

Galvanised Steel Top Hat



Material	No. of Bends	B (mm)	Length (mm)	Material Thickness	Code
Galv	4	79	3000	2	RTH/80/3M
Galv	4	100	3000	2	RTH/100/3M
Galv	4	150	3000	2	RTH/150/3M

First Level Fixings

- Fixing subframe to the substrate
- Fixing insulation material to substrate

Guage	Diameter (mm)	Length (mm)	Material	Material Grade	Quantity	Code
Light	6.3	55	Stainless Steel	A4	100	SX5-6.3X55/100
Light	6.3	55	Stainless Steel	A4	500	SX5-6.3X55/500
Light	10	80	Stainless Steel	A4	100	SXR-10X80/100
Light	10	80	Stainless Steel	A4	500	SXR-10X80/500

SX5
(55mm)



SXR



Second Level Fixings

- Fixing rails/brackets within the subframe system

Guage	Diameter (mm)	Length (mm)	Material	Material Grade	Quantity	Code
Light	5.5	41	Stainless Steel	A4	100	SX5-5.5X41/100
Light	5.5	41	Stainless Steel	A4	500	SX5-5.5X41/500
Light	6.0	38	Stainless Steel	A4	100	SX3-6.0X38/100
Light	6.0	38	Stainless Steel	A4	500	SX3-6.0X38/500
Light	5.5	22	Stainless Steel	A4	100	SDA5X-5.5X22/100
Light	5.5	22	Stainless Steel	A4	500	SDA5X-5.5X22/500

SX5
(41mm)



SX3



Third Level Fixings

- Cladding panel fixing to the subframe
- Low profile head
- Mill finish or polyester powder coated

Guage	Diameter (mm)	Length (mm)	Material	Material Grade	Quantity	Finish	Code
Light	5.5	35	Stainless Steel	A4	100	Mill	SX5-5.5X35/100
Light	5.5	35	Stainless Steel	A4	500	Mill	SX5-5.5X35/500
Light	5.5	35	Stainless Steel	A4	100	PPC	SX5-5.5X35PPC/100
Light	5.5	35	Stainless Steel	A4	500	PPC	SX5-5.5X35PPC/500

SX5
(35mm)



Secret Fix Vertical Installation Guide (NH3)



1. Ensure you have the correct bracket slot sizes to suit your substrate, the NH3 bracket is available with 6.5mm (steel & timber substrates) or 11mm slots (brick, block or concrete).

The bracket should be installed with the rail slot towards the top of the bracket, take care to ensure the bracket is the correct way up before fixing to the substrate. The NH3 bracket should only be used this way up.



2. Install substrate fixings ensuring both slots are used, by locating the fixings in the centre of the slots, this allows the bracket to be adjusted for line and level before the rail is installed.

Recommended primary fixings vary dependent on the wall type. Please contact us for recommendations. Suitable primary anchors are designed to fix the brackets to a pre-determined grid to suit the cladding panel layout. Stainless steel fixings also assist in preventing bimetallic corrosion.

The size and type of primary fixing for the connectors will always be determined by the dynamic and dead loads they have to resist. Please get in touch if you need further details.



3. The NH3 system is compatible with the 60 x 40 x 2.2 L profile.

The bracket chosen will be determined by how large the cavity zone is and level of insulation required.

Please refer to the table and diagram on page 33 for minimum and maximum system depths.

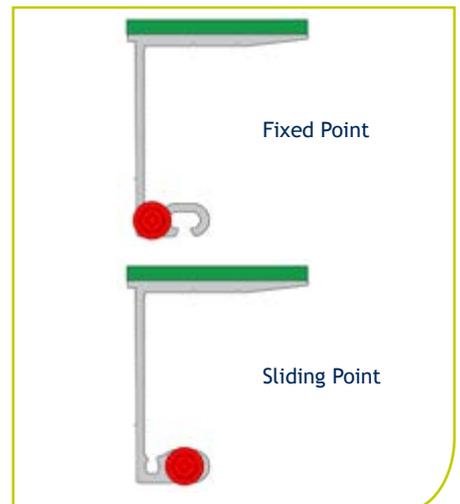


4. Insert the L profile into the helping hand rail slot and adjust for line and level, double checking the correct maximum rail distance from the last bracket.



5. Install the SX5-5.5X35 rail fixing, closely observing the correct fixed and sliding locations. For further information please refer to the fixed and sliding point guide (Step 6), or contact our technical team.

Always follow the position of fixed points detailed in the static calculations completed for the project.



6. Fixed points allow no movement within the system and absorb dead loads. Sliding points allow movement within the system and absorb dynamic loads and expansion.

Only one bracket per profile should have fixings in the fixed points (round holes), all subsequent brackets should have fixings in the sliding points (slots).



- 7.** Check bracket and rail placement conforms to static calculations completed for the project.

Where insulation is specified (by others), it should be cut and tightly butted around the brackets and secured with the appropriate fixings.

Sufficient insulation fixings should be provided (by others) to ensure that the insulation cannot block the ventilated cavity.



- 8.** It is recommended to always start the installation at the upper left side of the facade, working from left to right and top to bottom.

Raise the first panel and support in horizontal position.



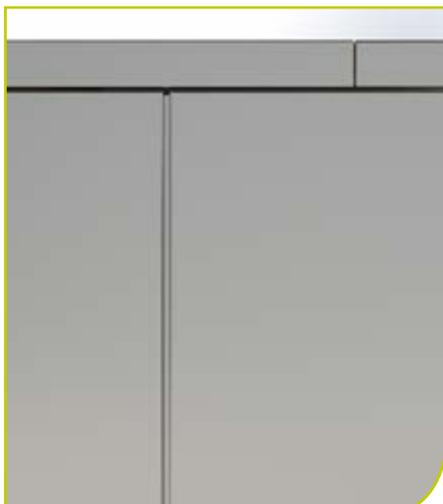
- 9.** Adjust level and height of panel before fixing in place on the right hand flange using low-profile colour coated fixings SX5-5.5X35PPC.

Fixings should be placed at a maximum of 600mm centres along the flange of the panel into the supporting rail.



- 10.** Interlock the next panel on the right using the folds in the left part of the panel, which slot and lock into the recess of the right of the already installed panel.

Repeat fixing the panel as detailed in step 9 using low-profile colour-coated fixings SX5-5.5X35PPC.



- 11.** Panels are an interference fit with a recommended 10mm shadow gap on the left- and right-hand side of each panel.

Horizontal joints between panels we recommend to be 4-5mm for expansion.



- 12.** Fabricated corners are available for vertical panel applications, or a closer or trim will be required. Window and cill details are available. For further information please contact our technical team.

Typically, profiles are cut so that the panel(s) are located on one set of vertical profiles and do not bridge an expansion gap between two profiles.

Secret Fix Horizontal Installation Guide (NV1)



1. Position the brackets as per the static calculations. Secure using the recommended primary fixing. Recommended primary fixings vary dependent on the wall type. Please contact us for recommendations.

Suitable primary anchors are designed to fix the brackets to a pre-determined grid to suit the cladding panel layout. Stainless steel fixings also assist in preventing bimetallic corrosion.

The size and type of primary fixing for the connectors will always be determined by the dynamic and dead loads they have to resist. Please get in touch if you need further details.



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

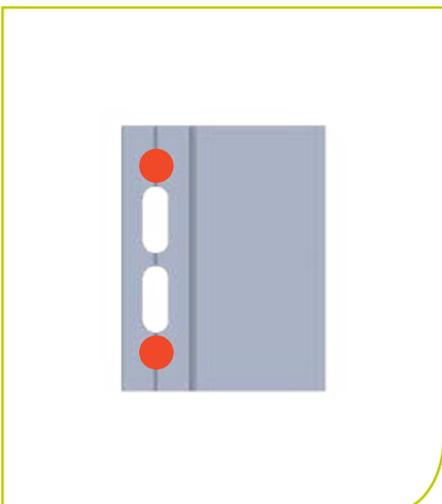
Push the profile into the bracket's helping hand and adjust for line and level.

Check for line and level, ensuring a 10-12mm gap between the ends of rails to allow for expansion.



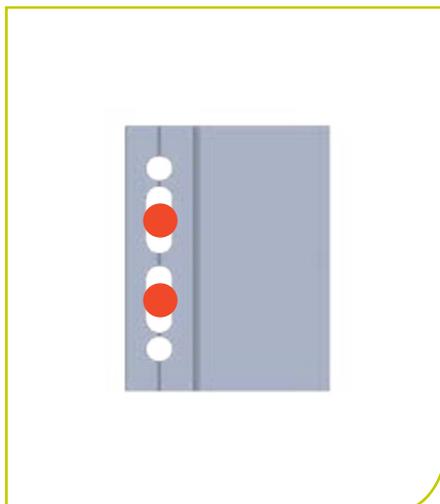
3. Secure the profiles in the correct location using the SDA5X-5.5X22 stainless steel fixing. Observe the correct number and fixing location as advised on the static calculation.

Note: Only one bracket per profile should have fixings in the fixed points (round holes), all subsequent brackets should have fixings in the sliding points (slots).



4. Fixed points allow no movement within the system and absorb dead loads. Always follow the position of fixed points detailed in the static calculations completed for the project.

Only one bracket per profile should have fixings in the fixed points (round holes), all subsequent brackets should have fixings in the sliding points (slots).



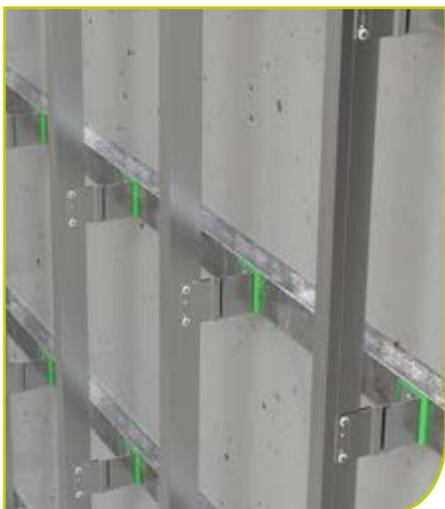
5. Sliding points allow movement within the system and absorb dynamic loads and expansion. Always follow the position of sliding points detailed in the static calculations completed for the project.

Only one bracket per profile should have fixings in the fixed points (round holes), all subsequent brackets should have fixings in the sliding points (slots).



6. Once all brackets and profiles are installed to an area of cladding, final checks should be carried out:

- On the primary anchor torque settings
- To the line and level of the profiles in relation to each other
- To the number of fixings and their position in each bracket



- 7.** Check profile positions in relation to actual panel positions and joints.

Where insulation is specified (by others), it should be cut and tightly butted around the brackets and secured with the appropriate fixings.

Sufficient insulation fixings should be provided (by others) to ensure that the insulation cannot block the ventilated cavity.



- 8.** It is recommended to always start the installation at the upper-left side of the facade, working from top to bottom.

Raise the first panel and support in horizontal position.



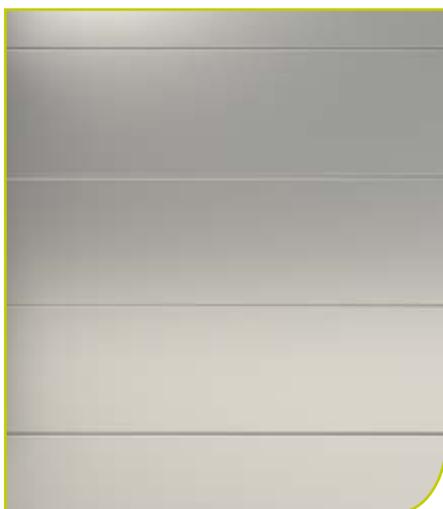
- 9.** Adjust level and height of panel before fixing in place on the lower flange using low-profile colour-coated fixings SX5-5.5X35PPC.

Fixings should be placed at a maximum of 600mm centres along the lower flange of the profile into the supporting rail.



- 10.** Interlock the next panel below using the folds in the upper part of the panel, which slot and lock into the recess of the lower panel.

Repeat fixing the panel as detailed in step 9 using low-profile colour-coated fixings SX5-5.5X35PPC.



- 11.** Panels are an interference fit with a recommended 10mm shadow gap at the top and bottom of each panel.

Vertical joints between panels we recommend to be 4-5mm for expansion.



- 12.** For horizontal corner applications a closer or trim will be required.

Window and cill details are available. For further information please contact our technical team.

Typically, profiles are cut so that the panel(s) are located on one set of vertical profiles and do not bridge an expansion gap between two profiles.