Vertical Installation

Composite Fluted Siding



THE ILLUSTRATED VERTICAL SYSTEM

Vertical tongue-and-groove boards on horizontal metal furring, with starter, inside-corner, outside-corner and end-trim details.

Use this guide for the fluted profile shown. Read the preparation and movement notes before cutting or fastening.

INSTALLATION SEQUENCE

Preparation and components	2	5 Outside-corner trim choice	7
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2 Starter and first board	4	8 Continue the return wall	10
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Prepare the installation

Tools, supports and trim references used in this guide.

BEFORE YOU START

- Confirm the wall assembly, flashings and required drainage/ventilation paths. Horizontal furring must not block the required drainage cavity.
- Confirm substrate anchors, face-fixing hole details and board-end/butt-joint clearances with NeoLine and the project designer. The 3 mm detail on page 6 is for the illustrated inside corner only.

TOOLS



Marking pencil



Hammer drill



Drill / driver



Hammer



Level



Circular saw

Also use a tape measure, suitable bits/blade, cutting protection and access equipment.

COMPONENTS AND TRIMS



Metal furring
Horizontal supports



Furring anchor
M6 x 60 shown



Siding screw
M4 x 25 shown



SC02 base clip
Aluminum corner clip



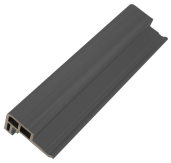
SC01
Outside-corner trim



SC02
Clip-on corner cap



SC03
Angle / end trim



SC04
Starter / edge trim

Use stainless steel fasteners suited to the substrate and each fixing detail. Confirm type and length; the illustrated sizes are not a universal specification.

SC01-SC04 identify the trim shapes illustrated here. Consult the current NeoLine trims data sheet for ordering codes. Illustrated board profile: SWP01-10.

1 Install horizontal metal furring

Create a flat, level and secure mounting plane for the vertical boards.

ILLUSTRATED DIMENSIONS

Furring row centres

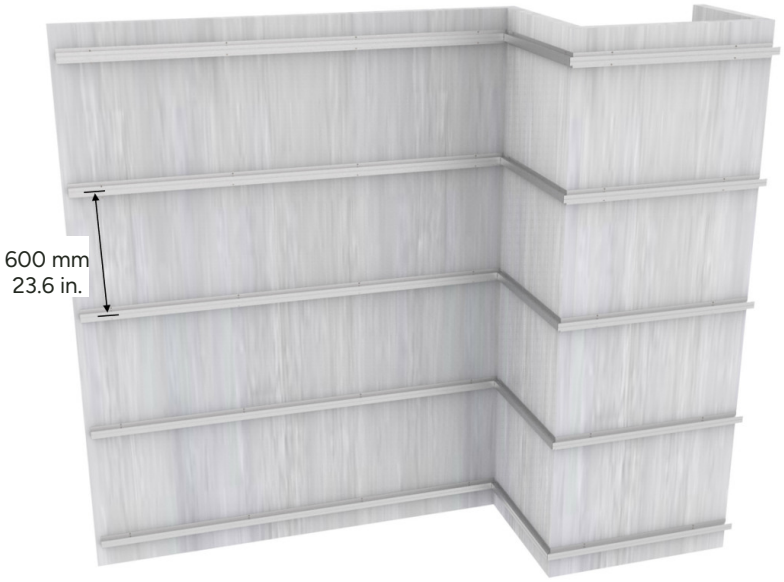
600 mm (23.6 in.) c/c

Fixings along each member

600-800 mm (23.6-31.5 in.)

First fixing from channel end

Less than 50 mm (less than 2 in.)



1A Horizontal furring rows.

1. Set out horizontal furring rows and check the mounting plane with a level.

2. Fix the furring into suitable backing using the confirmed anchors and fixing schedule.

3. Check each member is secure before fitting boards or trims.



1B Fixing positions along a furring member.

Metric dimensions govern; inch conversions are rounded. Confirm furring anchors, fixing centres and backing engagement for the project substrate and exposure.

2 Set the starter and first board

Use SC04 at the starting edge and check the first board is plumb.

2A FIX SC04

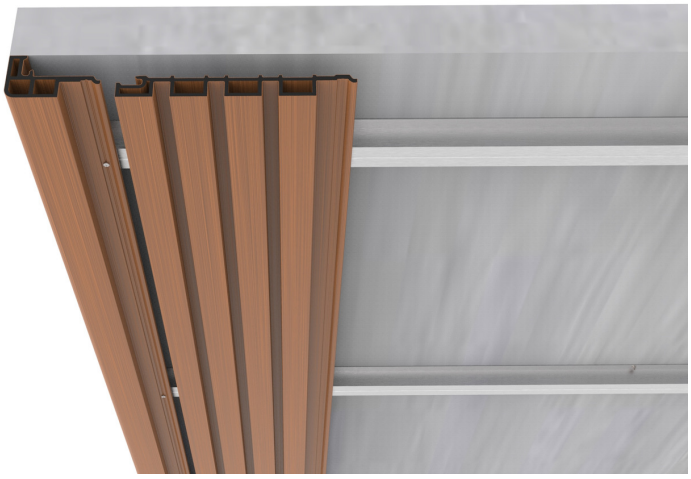
Position SC04 along the starting edge. Fasten its mounting flange to the horizontal metal furring with the specified stainless steel screws.



2A SC04 fixed through its mounting flange.

2B POSITION THE FIRST BOARD

Engage the first board with SC04 as shown. Hold the board plumb, check its position with a level and fasten the exposed mounting flange to the furring.



2B First fluted board engaged with SC04.

CHECK BEFORE CONTINUING

The starter and first board must be plumb. Keep the required movement clearances and leave the next interlocking edge accessible.

3 Interlock and fasten each board

Repeat the same engagement and fixing method across the wall.

Engage the joint. Fit the next board into the preceding board's tongue-and-groove profile. Fully engage the joint and check alignment before fastening.

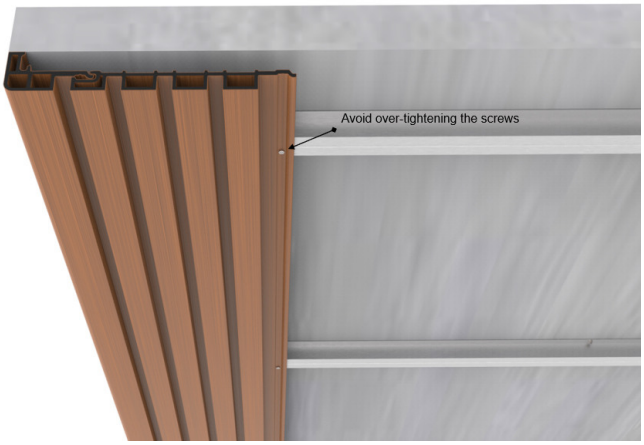


3A Tongue-and-groove engagement.



3B Close-up of the interlocking profile.

Fix the flange. At each furring crossing, drive the screw straight through the centre of a factory slot. Seat the head flat without clamping the flange or preventing movement. Pre-drill non-slotted fixing areas to the confirmed hole detail.



3C Do not over-tighten the flange screws.



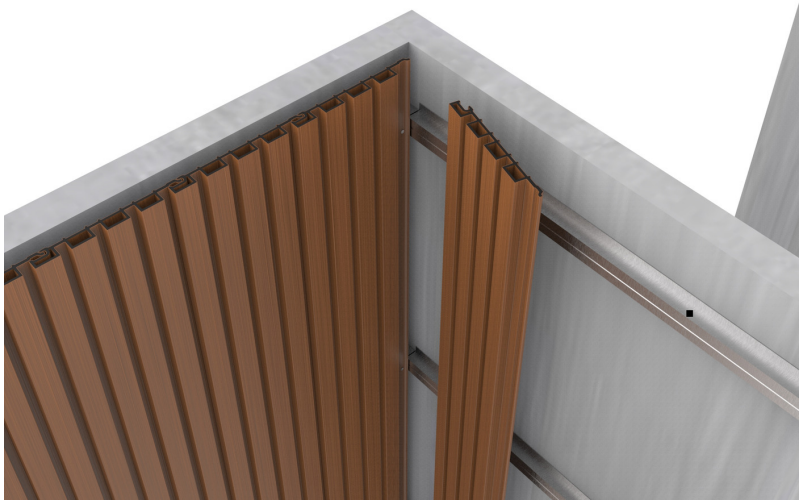
3D Use the factory slots.

4 Form the inside corner

No separate inside-corner trim is used in the illustrated detail.

COMPLETE THE FIRST WALL

Finish the last board on the first wall with a 3 mm clearance at the corner return, approximately 1/8 in.



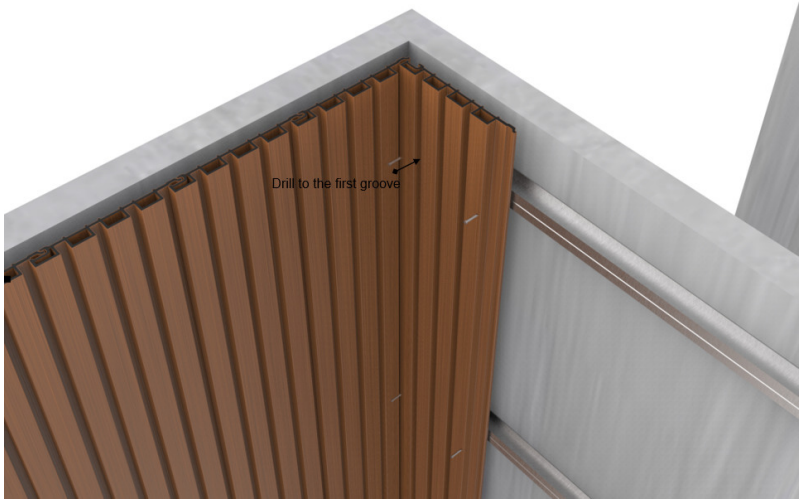
4A Return board positioned at the inside corner.

4A START THE ADJOINING WALL

Position the first board on the return wall while keeping the illustrated 3 mm corner clearance open.

4B FIX THE FIRST GROOVE

Pre-drill and face-fasten through the bottom of the first groove into the metal furring, as shown. Continue with the standard interlocking and flange-fixing method.



4B Face-fixing through the first groove.

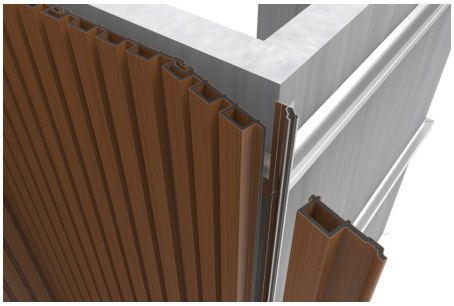
The 3 mm clearance is the inside-corner detail shown. Confirm all other movement and end clearances for the project before cutting or fixing.

5 Choose the outside-corner trim

Dry-fit the corner and select the trim from the final board's cut line.

5A SC02

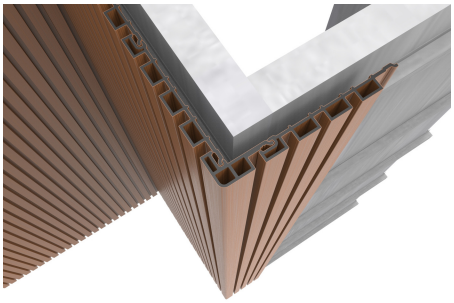
Cut at an edge or groove



Use the aluminum base clip and clip-on cap. Leave the cap off until both wall faces are fixed.

5B SC04

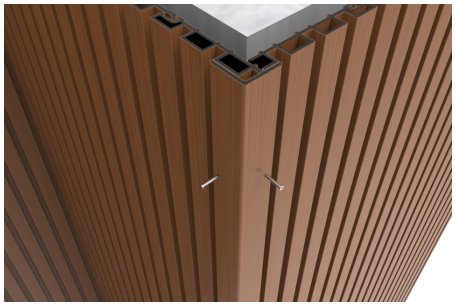
No board cut required



When a full board lands at the corner, finish the edge with SC04 as illustrated.

5C SC03

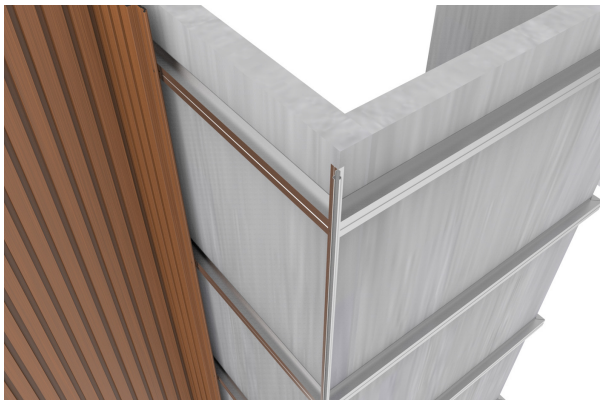
Cut through a raised rib



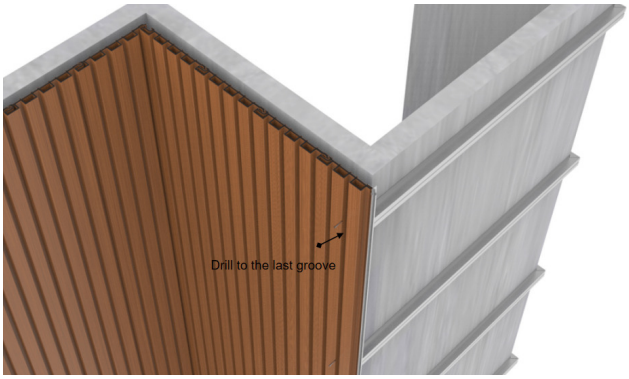
Cover the cut rib with SC03. Pre-drill the trim and face-fasten into the confirmed backing.

PREPARE SC02 WHEN THIS OPTION IS SELECTED

Fix the SC02 aluminum base clip to the corner furring before closing the last board. Work toward the corner, then pre-drill and face-fix the last groove into the furring. Keep the cap off until the adjoining wall face is complete.



5D Pre-fit the aluminum base clip.



5E Fix the last groove near the corner.

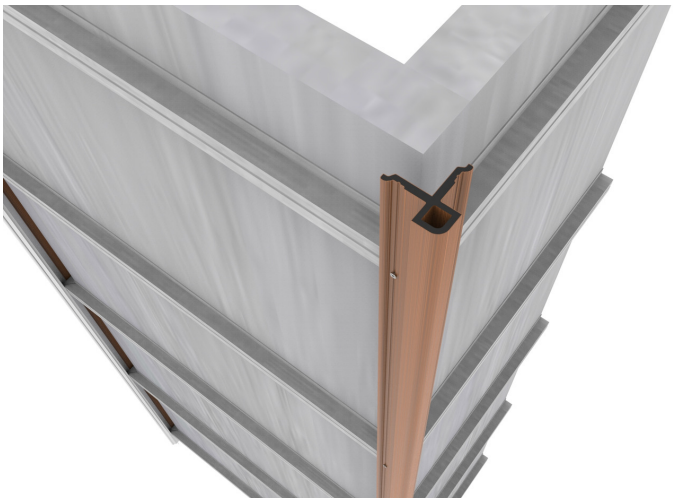
6 Set SC01 at the second outside corner

Use this sequence when the first outside corner is finished with SC02.

6A PRE-FIT SC01

Position SC01 at the second outside corner. Fasten its mounting flange to the horizontal furring before filling the wall between the two outside corners.

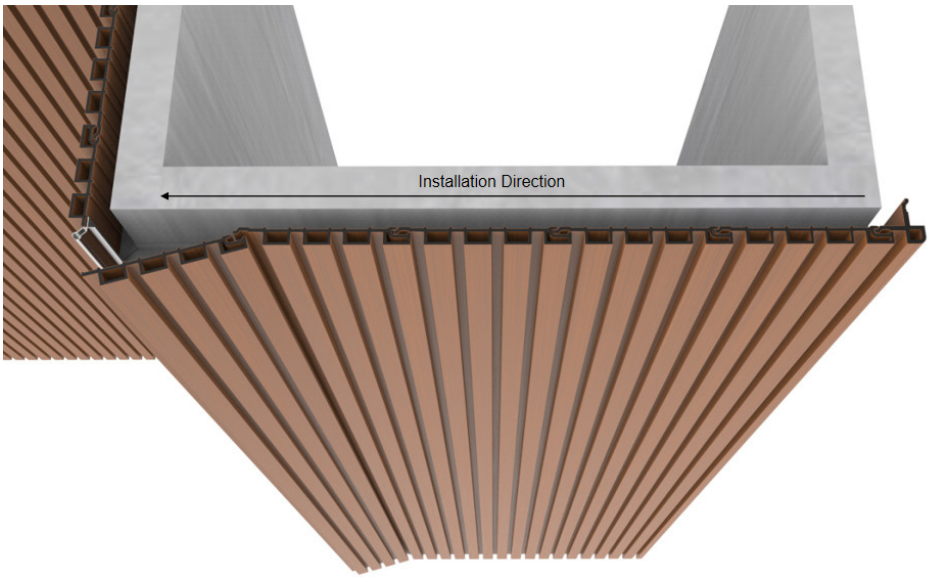
For other corner arrangements, use the cut-line choices in Step 5 and confirm the sequence before fixing.



6A SC01 fixed at the second outside corner.

6B WORK BACK TOWARD SC02

Starting at SC01, interlock and fasten boards back toward the first SC02 corner. Follow the arrow shown below and maintain the confirmed movement clearances.

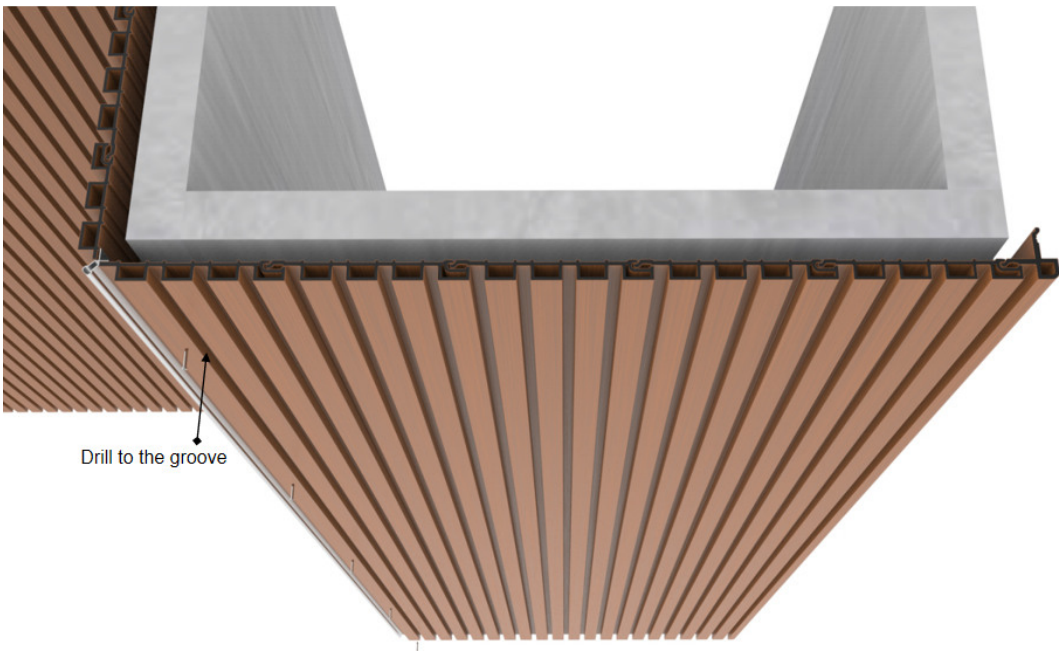


6B Work from SC01 at the right toward SC02 at the left.

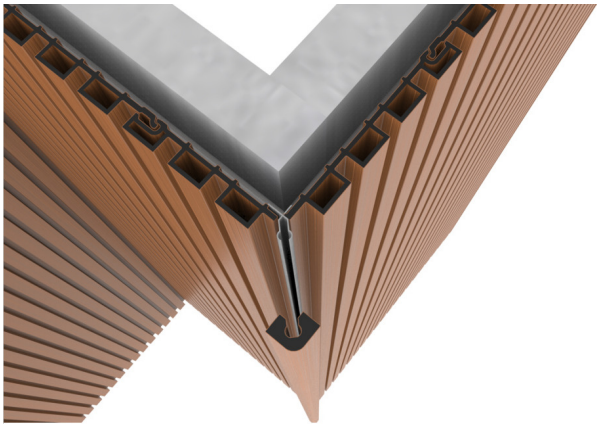
7 Close the first SC02 corner

Complete the board fixing before installing the decorative cap.

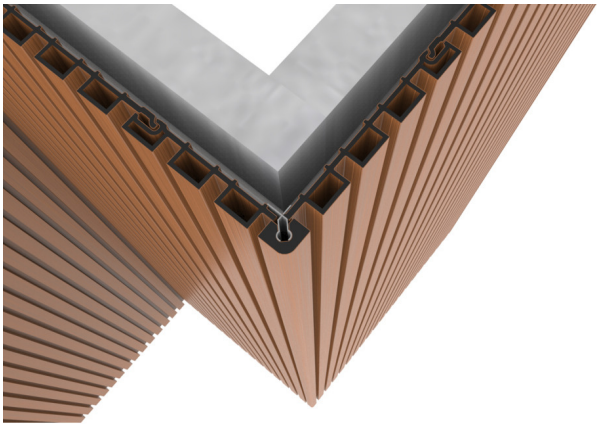
1. Pre-drill and face-fix the last intermediate board through its groove into the furring.
2. Align the SC02 cap with the aluminum base clip and press it into full engagement after both adjoining wall faces are secured.



7A Final groove fixing at the first SC02 corner.



7B SC02 cap aligned with the base clip.

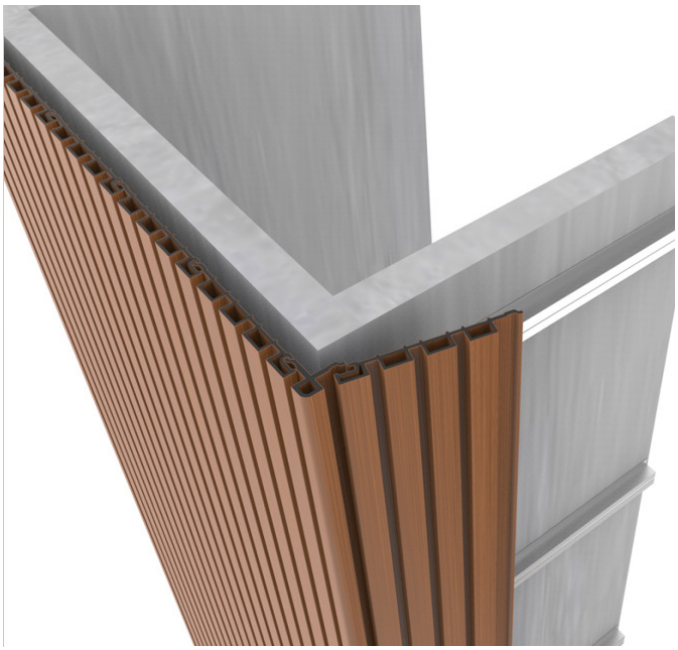


7C SC02 cap fully engaged.

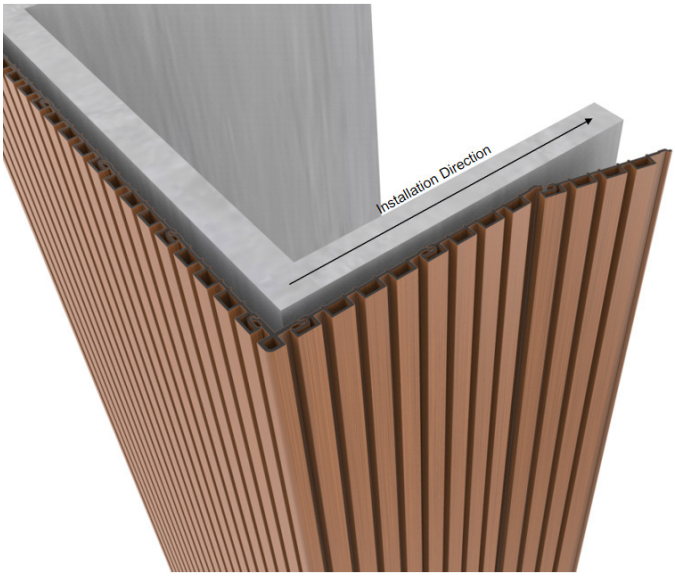
8 Continue along the SC01 return wall

Begin from the other side of SC01 after the intermediate wall and SC02 corner are complete.

Engage the first return-wall board with SC01. Interlock and fasten the following boards, progressing away from SC01 toward the final wall end, as shown.



8A First return-wall board engaged with SC01.



8B Progress away from SC01 to the wall end.

KEEP THE SAME FIXING METHOD

Check the boards remain plumb and the joints are fully engaged. Use the factory slots at furring crossings. Do not over-tighten screws. Plan the last board and SC03 termination before making the final cut.

9 Finish the last board with SC03

Secure the last board before covering its exposed edge.

FULL-WIDTH LAST BOARD

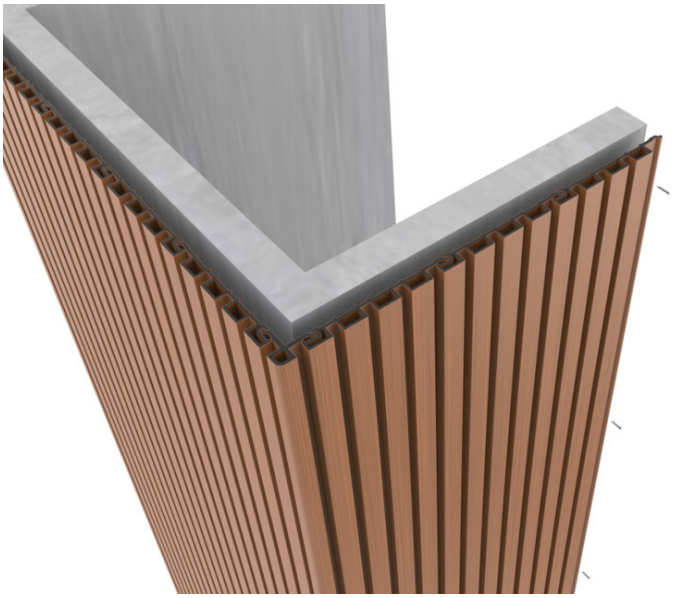
Fasten the exposed edge flange to the furring.

CUT LAST BOARD

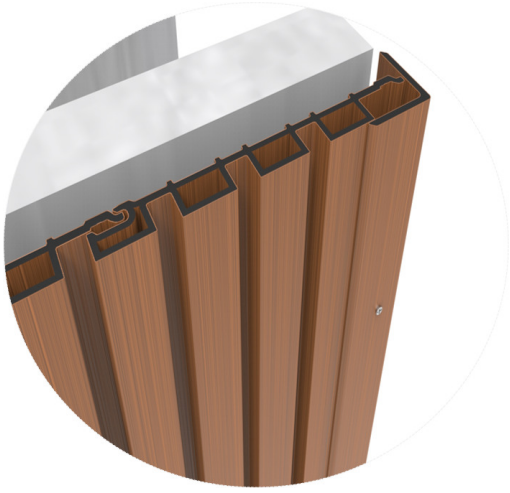
Measure and cut to width with the confirmed movement clearance. Pre-drill and face-fix through the last available groove into the furring.

FIT SC03

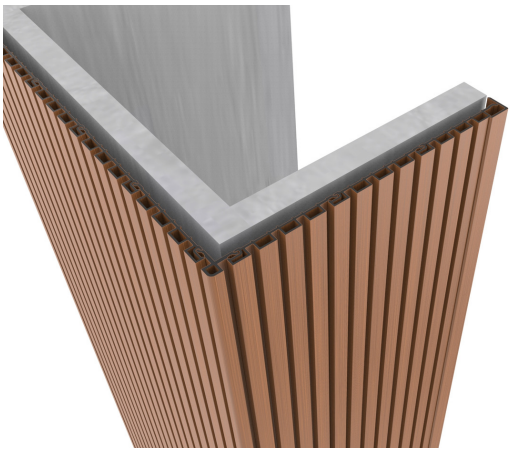
Cover the final edge with SC03. Pre-drill the trim face and fasten into the confirmed backing. Select the screw length for this detail.



9A Final board fixed at the wall end.



9B Pre-drilled face-fixing through SC03.

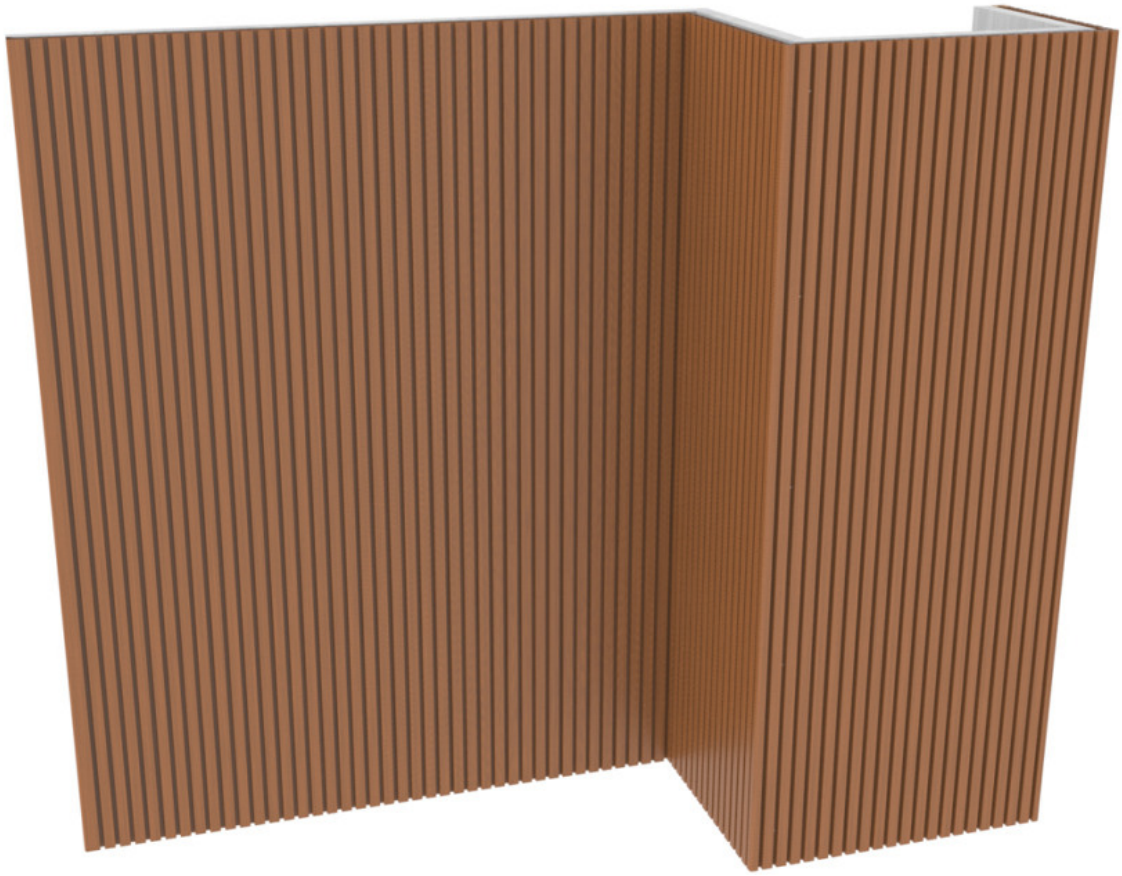


9C Completed SC03 end finish.

SC03 covers the exposed edge of a full-width or cut final board in this detail. Confirm the fixing detail if the cut removes the usable flange or groove.

10 Inspect the completed installation

Review the joints, fixings, trims and movement clearances before handover.



10A Completed vertical fluted siding assembly.

FINAL CHECK

- Boards are plumb, fully interlocked and secured at the furring crossings.
- SC02 caps are fully engaged; all other trims and face fixings are secure.
- Slot fixings are not over-tightened. The 3 mm inside-corner detail and other confirmed clearances are maintained.
- Flashings, drainage outlets and ventilation paths remain clear. Remove offcuts and drilling debris.

Wall-assembly reference: BC Housing, Builder Insight No. 6 - Rainscreen Walls.