RECESSED WINDOWS FOR TIMBER CLADDING

INTERSET
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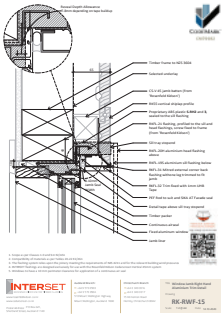
INTERSET® RECESSED WINDOW SYSTEM

WORKINGSPEC

INTERSET® QR CODE SHEET

INTERSET® WINDOW JAMB RKFL-31+32

http://wksp.nz/rki-rwf-wff1



INTERSET® HEAD DETAIL

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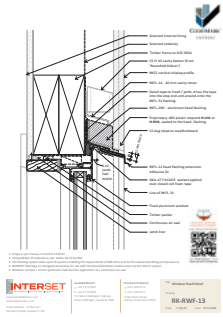

INTERSET® SILL DETAIL

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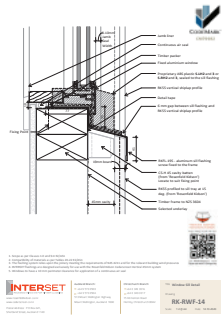

interactive assembly instructions available

To view interactive, 3D assembly instructions install the **Working**Spec app and scan the appropriate QR code, or visit the website listed.

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The following is an installation guide for the Rosenfeld Kidson INTERSET® Recessed Window Flashing System. The system is comprised of a set of aluminium flashings and thermoplastic stop-ends that interlink to form a picture-framed window recess.

INTERSET® flashings are used exclusively in conjunction with the Cedarscreen Vertical 45mm structural cavity batten system. This system enables aluminium windows to be recessed to the framing line from the outer façade, providing a natural 65mm deep window recess.

This guide should be read in conjunction with the INTERSET® recessed window details, the window manufacturer's technical information and the Sika method statement and technical literature.

It's important to take particular note of the flashing lines in the associated details to ensure correct flashing locations and depths are achieved.

INSTALLATION

Begin the installation process by completing a window checklist. The checklist is to ensure accurate ordering of the following flashings and accessories:

WINDOW JOINER

1. Accurately measure the opening dimensions
2. Reveal depth - allow 7-8mm of perimeter flashing build up
3. Check window joinery type and manufacturer
4. Check window flange depth
5. Check window joinery colour and finish[1]

[1] The following flashings that are visible may require coating to match the joinery colour and finish required - RKFL-19S sill, two-piece head flashing RKFL-20H and RKFL-12, along with jamb flashing options RKFL-31, RKFL-32, RKFL-36 and RKFL-37. All other flashings are not seen and are supplied powder-coated black.

SYSTEM COMPONENTS

ALUMINIUM FLASHINGS

Flashing Code	Profile	Description	Finish	Length
RKFL-19S		19mm Sill flashing profile	Mill finish or powder-coated black	6.0 m
RKFL-25		28mm Sill flashing profile	Mill finish or powder-coated black	6.0 m
RKFL-23		Door sill flashing	Mill finish or powder-coated black	6.0 m
RKFL-20H		Head flashing profile	Mill finish or powder-coated black	6.0 m
RKFL-12		Head extension flashing	Mill finish or powder-coated black	6.0 m
RKFL-22		Outer Jamb flashing	Powder-coated black	6.0 m
RKFL-21		Inner Jamb flashing	Powder-coated black	6.0 m
RKFL-14		Cavity closer	Powder-coated black	6.0 m
RKFL-31		19mm Mitred jamb flashing	Mill finish or powder-coated black	6.0 m
RKFL-32		19mm Jamb trim flashing	Mill finish or powder-coated black	6.0 m
RKFL-36		28mm Mitred jamb flashing	Mill finish or powder-coated black	6.0 m
RKFL-37		28mm Jamb trim flashing	Mill finish or powder-coated black	6.0 m

- Flashing dimensions as per Table 7 E2/AS1.

ALUMINIUM FLASHING FINISHES

Dulux Duralloy 'Matt Black' is the standard finish on RK extrusions. This coating is suitable for all non-exposed flashings and also in non-coastal environments.

Important: For exposed flashings in coastal zones, Dulux Duratec shall be used.

Visible/exposed flashings (sill flashing, two-piece head flashing and some jamb flashings) are also available in mill-finish. this allows coating in Duratec for coastal environments, or alternative colours to Matt Black and alternative finishes, such as anodised coatings to match window joinery. When fixing aluminium, only use stainless steel. Silicon bronze (copper) is non-compatible and should not be used.

Required tools: Use high quality cutting tools, use quality aluminium specific cutting blades for your bench or table saw and jigsaw.

SILL AND HEAD STOP ENDS

Stop Ends		
Head (2 in total for head)	**Sill (4 in total for sill)**	**Door Sill**
LH (left hand) 1-piece	LH (left hand) 2-piece	LH - 4 (left hand) 1-piece
RH (right hand) 1-piece	RH (right hand) 2-piece	RH - 4 (right hand) 1-piece

SIKA PRODUCTS

1. 205 Sika activator

2. 3N primer

3. Sika PEF rod 8mm or 10mm

4. Sika flex 11 FC

5. Sika AT façade

CHECK FRAMING AND FLASHING TAPES

Check framing is straight, level and true, use packers to level the sill and to support joinery if required, follow window suppliers directions.

Check with full height joinery a sill support bar may be required, follow window suppliers directions.

Apply underlay in accordance with Clause 9.1.7.1 or 9.1.7.2 E2/AS1. Flexible underlay should be cut and dressed into the sides of openings as per Figure 72A and B in E2/AS1.

Flashing tapes should be applied to the head and sill or as shown in proprietary underlay manufacturer details and literature or as per Clause 9.1.5 (B).

Ensure all window, door and other openings have a flexible air seal in place as per Clause 9.1.6 E2/AS1.

Cedarscreen Vertical cladding - install CS-H and CS-V 45 cavity battens as detailed.

Cedarscreen Rusticated cladding - install CS-V 45 and CS-H 45 cavity batten as detailed.

SEQUENCE OF INSTALLATION

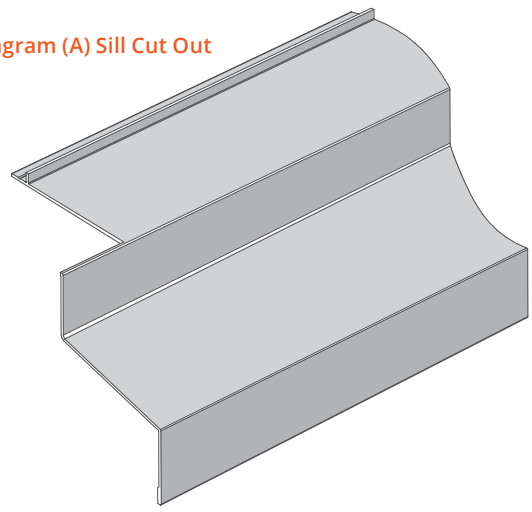
STEP 1

Cut the sill flashings to suit the window opening sizes (allow for additional trimming 40 + 40 = 80mm longer).

The sill is cut and trimmed around the sill to jamb line.

Cut the sill 40mm longer either side of the jamb line as shown in Detail RK-RWF-08.

Diagram (A) Sill Cut Out



STEP 2

Prepare aluminium with Sika 205 Activator, ensure ABS plastic stop ends are primed using Sika 3N Primer at bonding points, prior to adhesive bonding.

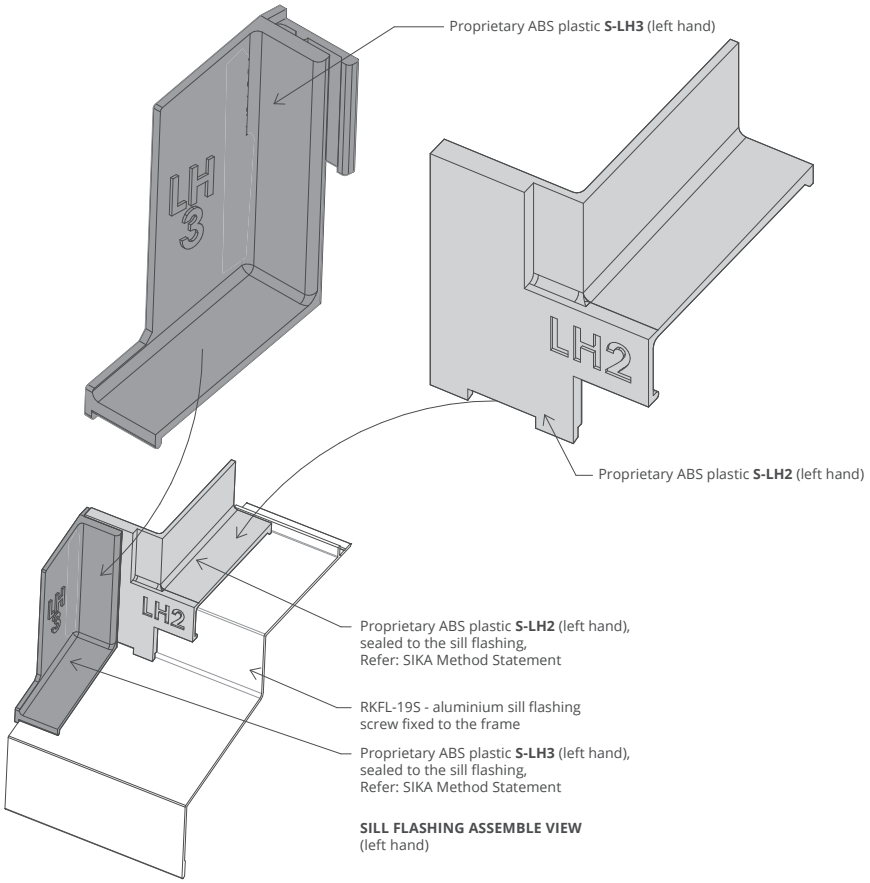
- Practice a dry run with the stop ends in place with the RKFL -19 sill and RKFL-20 head, prior to bonding, with a pencil mark the stop end outline and mask off to the outline, use a low tack masking tape, once the stop ends are bonded in place, clean the bond line and remove the masking tape.

Adhesive fix the two-piece sill stop ends – LH and RH in place with Sika Flex 11 FC, as shown in Diagram (B) Stop End Assembly and in accordance with the Sika method statement and literature.

Bond the S-LH2 stop end in place directly onto the notched sill flashing and then apply the S-LH3 stop end in place by slotting it into the S-LH2 and edge of the sill flashing. This process is mirrored on the opposite side using the marked S-RH2 and S-RH3 stop ends.

- Note you can bond the 2 piece stop ends together prior to installing to the RKFL-19. Installation is made easier by creating the one piece stop end. Simply prime with Sika 3N primer and bond the two together with a spot of Sikafalex 11 FC.

Diagram (B) Stop End Assembly



STEP 3

Screw-fix the sill in place. Refer sill Detail RK-RWF-14, taking particular note of screw location. Use stainless steel 40mm screws and space evenly at 400mm centres.

Once the sill flashing is in place, dress the flashing tape into the stop ends and overlap onto the flexible or rigid underlay. The flashing tape dimension is 90mm x 90mm.

STEP 4

Cut the RKFL-20H head flashing to length and mark its location above the window head flange. This will allow for accurate cutting of the RKFL-21 inner jamb flashing. Do not fix head flashing at this point.

STEP 5

Cut the RKFL-21 inner jamb flashing to length. The flashing should fit tight under the head flashing once the head is installed.

Trim to a 15-degree angle and notch the bottom of the RKFL-21 jamb flashing into the stop end.

Locate the RKFL-21 flashing directly in line with the jamb lapping over the dressed tape.

STEP 6

Install the window joinery.

STEP 7

Fit the RKFL-20H head flashing and apply stop ends as per the sill application using Sika adhesive fix method.

Note the head flashing extends 40mm beyond either jamb line, as per the sill dimensions.

Locate the RKFL-20H head flashing 8 to 10mm above the window head flange.

Tape the head flashing in place and seal the underside of the head flashing to the window head flange, as shown in RK-RWF-13. Use Sika AT Facade applied over closed cell foam tape.

STEP 8

Fix the CS-V cavity batten vertically 10mm beyond the RKFL-21 inner jamb flashing and 40mm from the jamb line.

STEP 9

Fix the jamb flashing RKFL-31 to the CS-V cavity batten and position in line with the window flange as per Detail RK-RWF-15 and 16.

Trim the flashing as shown in Diagrams (C) and (D) and install in continuous lengths, trimming tight under and around the head and notch into the stop end and around the sill.

- Take care to cut the RKFL-31 to the correct length, the outer edge of the sill stop end positions the tip of the RKFL-31 (5mm) off the sill angled at 15 degrees when in place. Once installed and prior to installing the cedar cladding and RKFL-32 profile, run a seal around the stop end to RKFL-31 contact points. Use Sikaflex 11 FC (black).

Fixings: Screw fix the RKFL-31 flashing in place with a 40mm stainless steel nail or screw at 400mm centres or to suit the length of the flashing.

- TIMBER RETURN OPTION: Refer to detail RK-RWF-17 for correct jamb assembly.
- RUSTICATED WEATHERBOARDS: Refer to detail RK-RWF-18 for correct jamb assembly.

Diagram (C) Head cutting dimensions from two angles

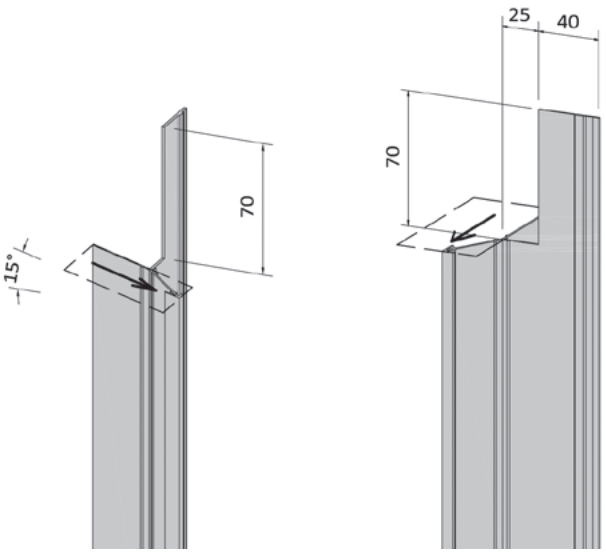
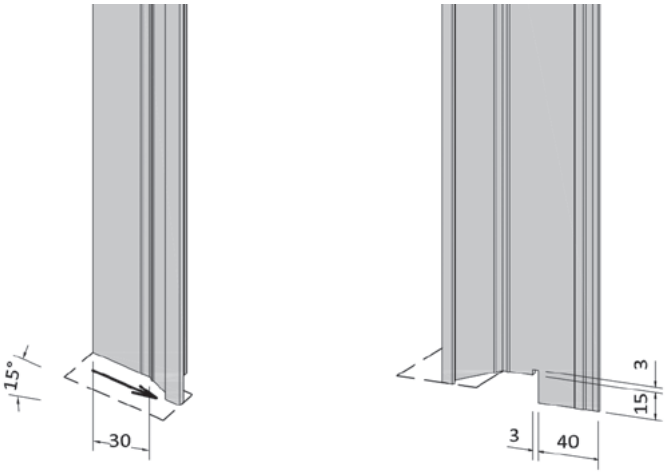


Diagram (D) Sill cutting dimensions from two angles



VERTICAL WEATHERBOARDS: FIXING AT THE HEAD, SILL AND JAMB

Start by selecting a full length board that runs from top plate to bottom plate.

The start point for fixing your vertical weatherboards is at each jamb. You should have all your jamb boards installed prior to commencing the remaining weatherboard fixing.

Measure and locate the weatherboard at the head and sill junctions. Mark out trimming dimensions as shown in Diagrams (E) and (F).

Diagram (E) Weatherboard head trimming

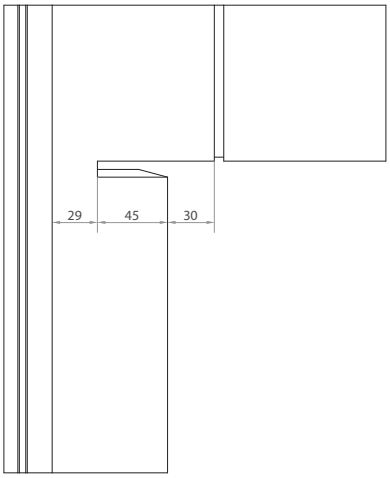
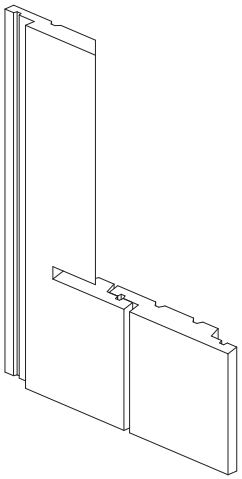


Diagram (F) Weatherboard sill trimming

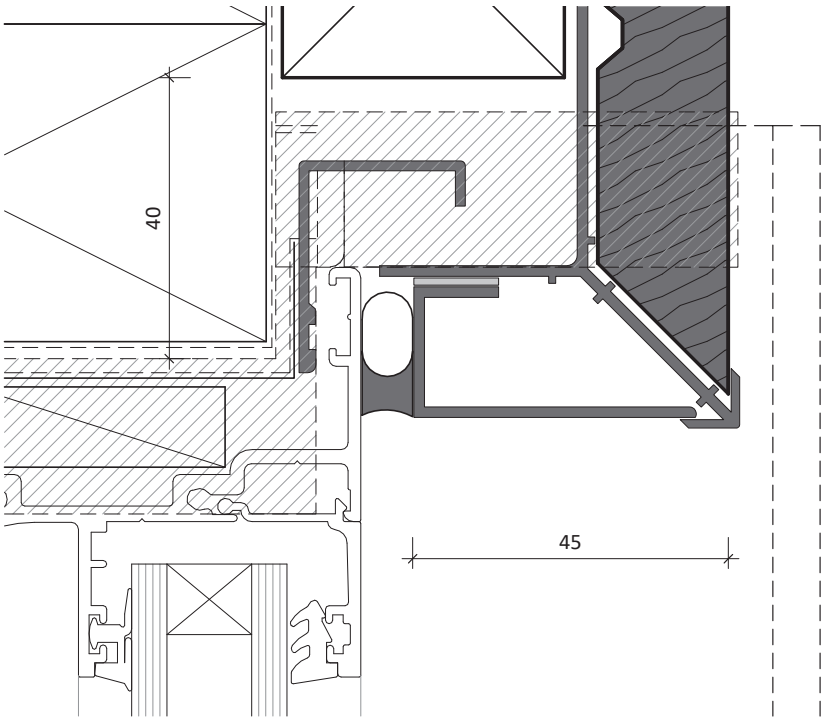


Full length weatherboards should be lined up at the head and sill. There will now be full length boards at each vertical jamb line, ready for the remaining vertical weatherboards to be fixed in place.

Fixing centres for the vertical board along the jamb line is at 480mm maximum centres.

At the Cedar to aluminium contact point apply a bead of Sikaflex 11 FC the full length of the RKFL-31 flashing. Fix the Cedar board in place, ensuring the mitred edge of the Cedar board is trimmed tight into and behind the outer wings on the RKFL-31 profile.

Diagram (G) Aluminium trimmed into jamb line



Trim the RKFL-32 jamb trim flashing the full length of the jamb line and in line with the RKFL-31.

Fix in place with 1mm UHB tape.

Complete the installation process by applying a continuous seal between the RKFL-32 and the window joinery flange, as per Details RK-RKW-15 and 16.

Prepare the aluminium surface with Sika 205 Activator.

Use 8-10mm PEF rod and Sika AT Facade seal.

GENERAL VERTICAL WEATHERBOARD FIXING:

Using a storey rod, set out a fixing pattern between the adjacent external/internal corner profiles to the window jamb.

Then from jamb to jamb and jamb to jamb etc., finishing at the adjacent internal/external corner.

The storey rod will enable accurate measurement of the weatherboard layout between each point.

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