

Product Overview & Substrate Preparation



Vgelo Wrap Commercial 523-SA combines a water-resistive barrier with a continuous adhesive backing. Correct installation helps establish a continuous water-resistive and air-control layer without special application equipment.

Substrate conditions

- Do not install when the outdoor temperature is -3.9 °C or lower. Store rolls above 10 °C before installation for easier handling and improved adhesion.
- Do not install during rain or on frost-covered, damp or wet surfaces.
- The substrate must be clean, dry, smooth, solid and continuous.
- Set all substrate fasteners flush and anchor them into solid backing.
- Fill voids, gaps and damaged areas. Masonry joints must be flush.
- Concrete and CMU substrates must be fully cured and completely dry. Allow new concrete at least 14 days to cure.
- Use resin-based curing compounds only. Do not use compounds containing oil, wax or pigments.
- Below 4.4 °C, on concrete, or where adhesion is difficult, a compatible primer may be required.

KEY INSTALLATION DIMENSIONS

- Roll width: 1,524 mm (nominal 1.5 m).
- Horizontal and vertical seams: 152.4 mm minimum.
- Outside corners: 304.8 mm minimum wrap.
- At the wall-to-foundation transition, extend the WRB at least 50.8 mm downward beyond the transition.
- Cut-back at jambs and sill: 50.8 mm.
- Sill flashing drop: 76.2 mm minimum.
- Sill flashing upturn: 152.4 mm minimum.
- VWFAXW jamb/head tape shown: 101.6 mm (4 in).
- Jamb flashing above head: 76.2 mm.
- Pressure-roll every adhered surface and edge.

BEFORE STARTING

Confirm substrate compatibility, local code requirements and window-manufacturer instructions. Prepare all compatible flashing, sealant and pressure-rolling tools before removing the release liner.

WRB Installation & Modified I Opening Cut

General installation

- Use two people when practical to keep the 1.5 m roll aligned and under control.
- Install from the lowest point upward in shingle fashion so every upper course drains over the course below.
- Partially remove the release liner, then align the sheet plumb and level at an outside corner or sheathing edge.
- Continue removing the liner while adhering the membrane. Smooth by hand or with a soft-bristle broom.
- Apply firm pressure with a J-roller over the entire membrane surface to activate the adhesive and establish full contact.
- Provide at least 152.4 mm at horizontal and vertical seams and 304.8 mm at outside corners. Stagger vertical seams whenever possible.

Rough opening - Modified I cut



FIG 1 Cut only the head, center and lower diagonal lines.



FIG 2 Fold the head flap upward; adhere jamb and sill tabs.

- Cut the Commercial 523-SA membrane only along the lines shown in FIG 1.
- Wrap and firmly adhere the jamb and sill tabs into the rough opening as shown in FIG 2.
- Fold the head flap upward and temporarily keep it free. Place a cut piece of release liner behind the flap so it cannot bond to the sheathing before the final shingle-style closure.

Cut-Back Opening & Bow-Tie Sill Sequence

ALTERNATIVE CUT-BACK OPTION - DO NOT COMBINE WITH MODIFIED I

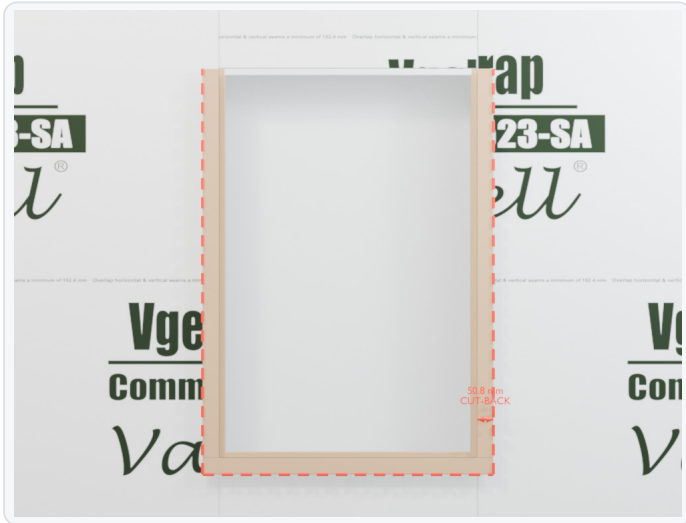


FIG 3 Trim 50.8 mm from jambs and sill.

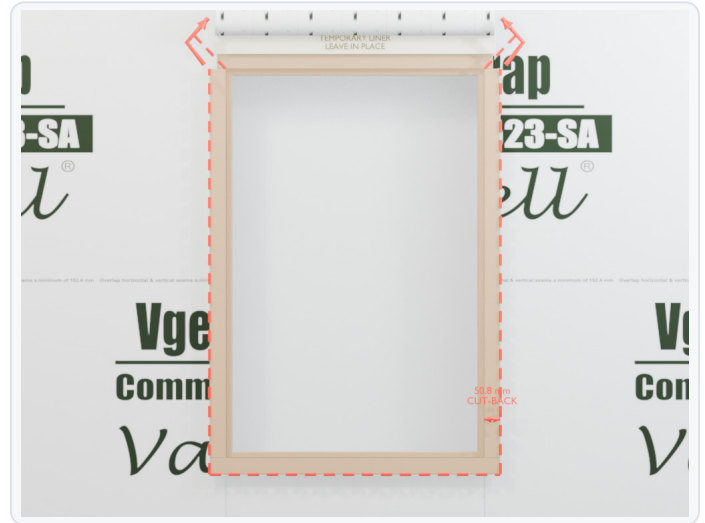


FIG 4 Angle-cut and lift the head flap; insert release liner.

- Trim the membrane 50.8 mm back from the rough opening along both jambs and the sill only.
- Make the two window-head angle cuts. Lift the head flap and place release liner behind it to prevent premature adhesion.

Sill flashing with Bow-Tie reinforcement



FIG 5 Install the first sill-flashing layer.



FIG 6 Reinforce both corners with Bow-Tie patches.

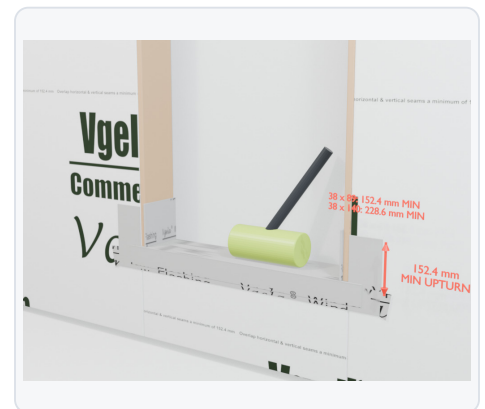


FIG 7 Install the full sill-pan layer and pressure-roll.

Detailed sill flashing requirements continue on Page 4.

Sill Flashing & Corner Reinforcement

CHOOSE ONE: Bow-Tie sequence



FIG 5 First sill-flashing layer.



FIG 6 Independent corner reinforcement.



FIG 7 Complete sill pan; roll firmly.

- Install VWFAXW at least 76.2 mm below the sill and across the face of the WRB. Slit at each jamb and adhere the remaining material along the sill.
- Install a separate Bow-Tie reinforcement at both sill corners.
- Add a full sill-flashing layer covering the sill and turning at least 152.4 mm up both jambs. Extend to the inside edge of the sill. slit at each corner.
- fold onto the exterior wall and pressure-roll.

FLASHING WIDTH

- 38 x 89 mm (2x4): 152.4 mm minimum.
- 38 x 140 mm (2x6): 228.6 mm minimum.

OR: Preformed corner-guard sequence (do not combine)



FIG 8 Install compatible preformed corner guards.

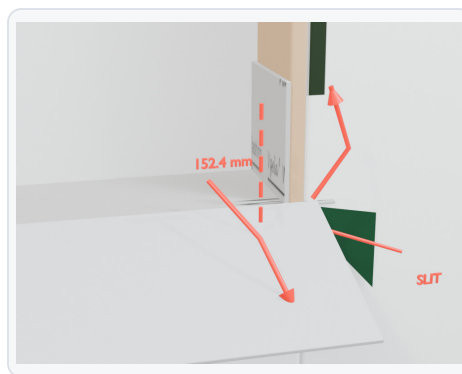


FIG 9 Slit the sill flashing and fold exterior tabs.



FIG 10 Cover the sill to its inside edge and roll.

- Install compatible preformed corner guards according to their manufacturer instructions.
- Cover the sill with one VWFAXW piece, turn it at least 152.4 mm up both jambs, slit each corner and adhere the exterior tabs to the wall.
- Pressure-roll all flashing surfaces and edges. The flashing must reach the inside edge of the rough opening.

Sealant & Window Placement

Sealant

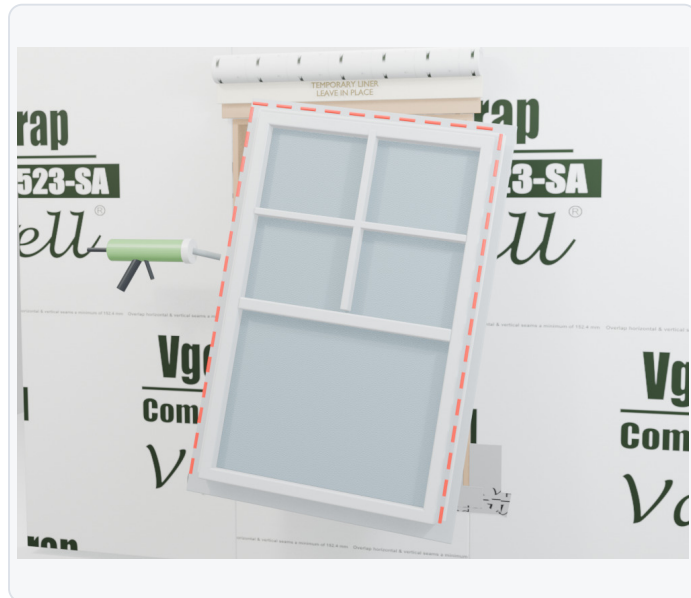


FIG 11 Apply compatible sealant at the head and jambs only.

Before setting the window, apply a continuous bead of compatible sealant to the back side of the head and jamb flanges.

DRAINAGE WARNING

- Never apply sealant across the bottom sill flange.
- Keep the bottom drainage path open.

Set window



FIG 12 Set, level and fasten the window.

- Lift and hold the head flap out of the way.
- Set the window into the rough opening, level it and fasten it to the substrate according to the window manufacturer's instructions.
- The sill flashing must remain visible below the sill flange.
- Do not apply VWFAXW over the bottom flange. Leave this area open so incidental water can drain.

The cut-back opening is illustrated. The same head, jamb and drainage principles apply to the Modified I opening.

Jamb & Head Flashing

Jamb flashing



FIG 13 Extend jamb flashing 76.2 mm above the window head.

- Adhere vertical VWFAXW sections over both jamb flanges.
- Extend each jamb flashing approximately 76.2 mm above the window head.
- Extend each jamb flashing downward past the sill line and lap it over the sill flashing at the side only. Keep the central sill and bottom-flange drainage path open.
- Apply firm pressure with a J-roller over the full tape surface.

Head flashing



FIG 14 Head flashing overlaps beyond both jamb flashings.

- Adhere VWFAXW over the head flange and onto the sheathing.
- Extend the head flashing beyond the jamb flashing on both sides.
- The head flashing must overlap the jamb flashing; jamb flashing must not project above the head flashing.
- Pressure-roll the complete head-flashing area and all end laps.

SHINGLE ORDER

- Sill first.
- Jambs second.
- Head last.

Final Closure & Inspection



FIG 15 Remove the head-flap liner and adhere the flap.



FIG 16 Tape both upper corners with VWFAXW and pressure-roll.

- After the window is set and fully flashed, peel the temporary release liner from the top WRB flap.
- Fold the Commercial 523-SA head flap down over the head flashing and firmly adhere it to complete the shingle-style drainage plane.
- Finish both upper diagonal cuts with VWFAXW corner patches as shown in FIG 16. Pressure-roll all patches and exposed edges.
- Where required, apply a continuous compatible sealant bead at the interior side of the window. Follow the window manufacturer's air-sealing instructions.

FINAL INSPECTION

- Bottom flange and sill drainage path remain open.
- All WRB courses and flashing layers drain downward and outward.
- Head flashing overlaps the jamb flashing at both ends.
- Head flap overlaps the head flashing.
- Every tape and membrane surface has been pressure-rolled.
- No wrinkles, fishmouths, loose corners or unsealed cuts remain.