Majvest® 500 SA

System Guidelines
for Self-Adhered Vapor Permeable Water-Resistive Barrier and Air Barrier Installation

Introduction

These Guidelines will outline the materials and processes required to achieve a long-lasting water-resistive barrier (WRB) and air barrier (AB) assembly in commercial buildings using self-adhered SIGA Majvest 500 SA. Majvest 500 SA is designed to meet or exceed industry standards for a vapor-permeable WRB and AB as prescribed by IBC and IECC.

This document is intended to portray broad installation practices and detailing methods, for the convenience of contractors, specifiers, and other construction professionals. It is the responsibility of the design Authority of Record to confirm or adapt these Guidelines to support project-specific parameters and local code compliance. For procedures and conditions beyond the scope of this document, or for assistance with modifying specific details, please consult your local licensed design professional or SIGA representative.

Penetrations, windows, and other critical transitions may be detailed either before or after the Field WRB (flat-wall area application of WRB material).

Use the Target (or 'Strip-In') Method when sealing these details before the Field WRB. Use the Cut-Out Method when installing the Field WRB before penetrations and windows.

All pages correlating to the Target Method sequences are identified in ITALICS.

Contents

PART 1 System Overview

Majvest® 500 SA is a vapor-permeable, 3-ply membrane, with the reverse face fully coated by a pressure-sensitive glue for direct bonding to substrates. The adhesive side of the sheet is protected by a white, siliconized, split-release liner which is removed during installation. Use the SIGA products below to complete a resilient, above-grade exterior building envelope.

1.1 Components

Additional Product data can be found at the end of these Guidelines, or at siga.swiss

Majvest® 500 SA
self-adhered vapor-permeable water-resistive and air barrier membrane. 60" wide

Majvest® 500 SA Detail Roll
narrower roll of Majvest 500 SA for efficient detailing and pre-stripping. 18" wide

Wigluv® 60
highly elastic, semi-permeable tape for penetrations and airsealing details. 2.4" wide

Wigluv® 100/150/230
low-profile, semi-permeable flashing for window and door installation. 4",6",9" widths

Fentrim® IS 20
pre-folded, fleece-backed tape for air sealing windows and doors. 3", 4" widths

Dockskin®
penetrating primer for concrete or porous substrates. 2.2lb bottle

1.2 Usage & substrate matrix

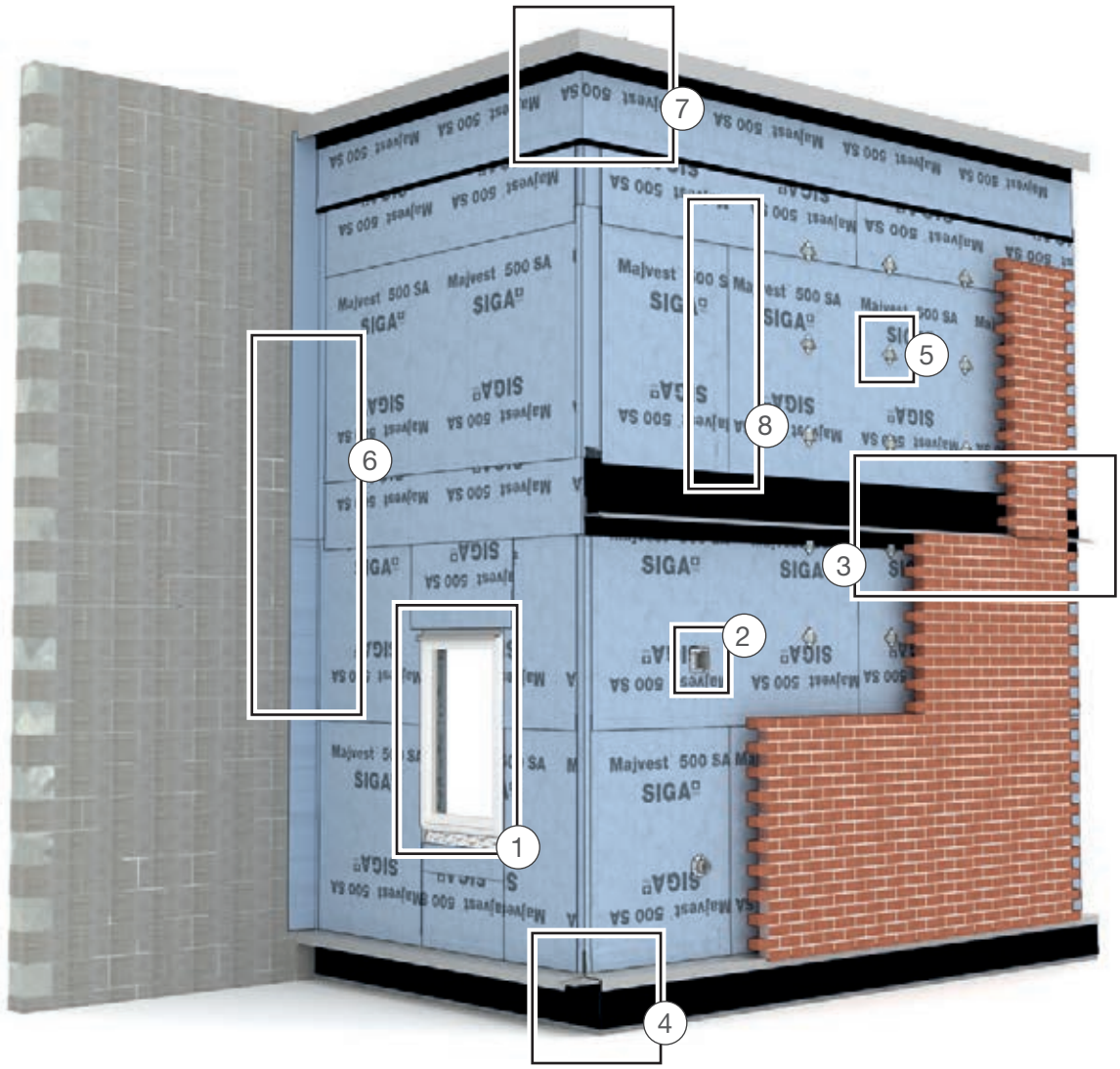
	Majvest® 500 SA	Majvest® 500 SA Detail Roll	Wigluv® 60	Wigluv® 100/150/230	Fentrim® IS 20
RECOMMENDED USAGE					
Field WRB					
Pre-stripping					
Penetration Sealing					
Fenestrations					
Fenestrations (Interior Air-Sealing)					
Substrate Transitions					
Expansion Joint					
Damage Repairs to Air Barrier					
Reverse Laps					
SUBSTRATES WITH RECOMMENDED MINIMUM OVERLAP					
Plywood	2"	2"	1"	1"	1"
Exterior Gypsum	2"	2"	1"	1"	1"
OSB (smooth side)	2"	2"	1"	1"	1"
Metal	2"	2"	1"	1"	1"
Rigid Insulation XPS, EPS, PU	2"	2"	1"	1"	1"
Concrete	4"	4"		2" *Dockskin®	2"
Hard Plastics			½"	½"	½"
Electric Cables			½"	½"	½"
Majvest 500 SA	4"	4"	1"	1"	1"

PART 2 Air Barrier Design Considerations

Use of Majvest 500 SA membrane will support creation of a durable exterior air-barrier assembly, in addition to performing as a robust weather-resistive barrier. The continuous bonding of the membrane to the wall substrate offers significant advantages in reducing air and moisture movement behind the installed membrane, the importance of which is amplified in multi-story constructions.

Completing a whole-building air-tightness approach requires maintaining this continuous and sealed layer, as it transitions in, out, and around structural components, penetrations, and claddings. Proper detailing, construction sequencing, and material selection are essential to achieving this additional air-tight attribute.

1. Fenestrations
2. Penetrations
3. Flashing Integration
4. Foundation to Wall
5. Cladding attachments
6. Changes in Substrate
7. Parapet / Roof to Wall
8. WRB Overlaps



PART 3 Installation Parameters

3.1 Preconstruction

Air-barrier continuity requires collaboration between everyone involved on the building project. Convene a preconstruction meeting with all parties relevant to building envelope construction (architects, consultants, subcontractors, and/or building owners), minimum two weeks in advance of WRB installation.

- Construct a project-specific mockup to manage the constructability, compatibility, and sequencing of different materials and processes
- Full curing of all sealants and subsequent water intrusion and air-tightness testing is recommended
- Ensure that all building components e.g. windows, doors, penetrations, etc. are installed in accordance with the manufacturer's instructions

3.2 Substrate Preparation

Proper substrate preparation will help ensure reliable adhesion, which will maximise the air-barrier function of Majvest 500 SA.

- Substrate should be smooth, dry, and free of debris, frost, grease, contaminants and sharp edges
- Mechanical fasteners should be installed flush to the substrate surface
- Masonry joints should be struck flush
- Concrete must be cured 14 days before installing Majvest 500 SA
- Voids over 1" should be filled and tooled flush, using compatible sealant or sprayfoam

3.3 Priming

Primer is not required for most common substrates. The usage of primer can depend on site-specific conditions: customers may choose to reinforce highly porous, loose textured, or exposure-damaged surfaces with SIGA Dockskin penetrating primer.

- Conduct a pull-test on-site for any questionable conditions
- Any primed surfaces left unbonded at the end of the working day must be re-coated before adhering Majvest 500 SA

3.4 Site Conditions

- Install Majvest 500 SA in ambient temperatures of 14°F (-10°C) and above
- Maximum UV exposure of installed Majvest 500 SA, per Climate Zone as defined by the IECC:
  > 6 months for Zones 3 to 8
  > 3 months for Zones 1 and 2
- Cover Majvest 500 SA as soon as practical after installation
- Do not install in rain or inclement weather, or when substrate is damp or frost-covered
- Protect exposed substrate against wet weather conditions while installation is in progress, including wall openings and construction activity above completed areas of Majvest 500 SA

3.5 Storage

- Store Majvest 500 SA in original packaging in a cool, dry location
- Protect from UV exposure during storage
- No long-term storage limitations, when above conditions are maintained

PART 4 Self-Adhered Working Method

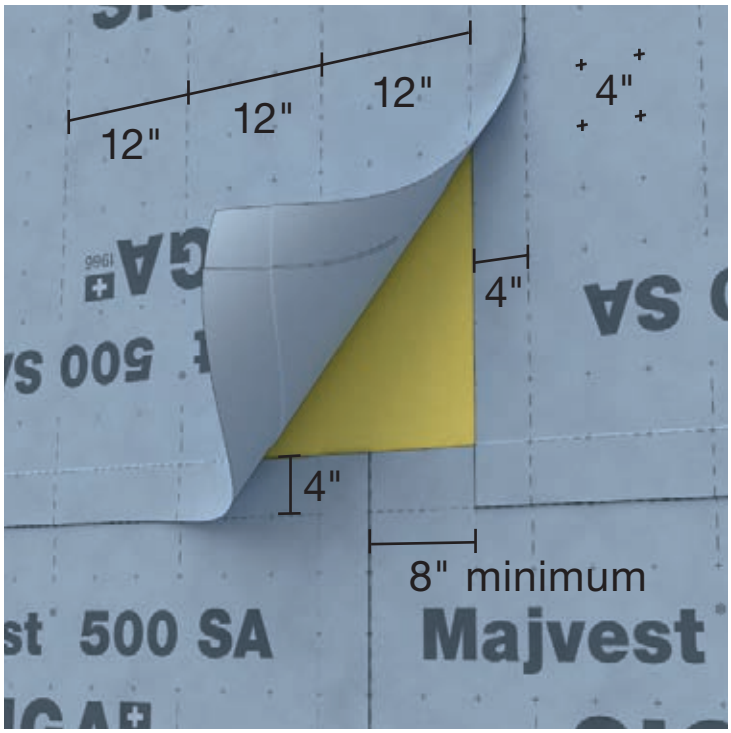
Best-practices for installing self-adhered membranes follow the familiar weather-lapping and durability basics of any water-shedding surface. Take advantage of the adhesive backing by using the following techniques, which increase overall speed and can enable single-worker application. The adhesive-layer of Majvest® 500 SA is pressure sensitive, and all installed areas must be heavily burnished.

4.1 Tools Required

- SIGA Squeegee 12" or similar pressure application tool
- sharp razor knife
- tape measure
- pencil or chalkline

4.2 Worker Efficiency

- Pre-cut multiple lengths of material and back-roll on itself.
  > Recommended managable cut length is 15', maximum 30'
  > Label length of each pre-cut roll on the white release liner using a lumber crayon (soft).
  > Stage vertically until wall application.
- Use the factory printed grid (every 4") and perpendicular dashed lines (every 12") to simplify measuring.
- Pre-stripping windows and penetrations prior to installing Field WRB will reduce incidence of reverse laps



4.3 Sheet Installation Process

1. Back Roll
- Pre-cut material to length, before adhering to the wall. Favor shorter, square pieces.
- Markings are printed every 12" for tool-free measuring
- Back-roll onto itself (with release film facing outward) for easiest handling

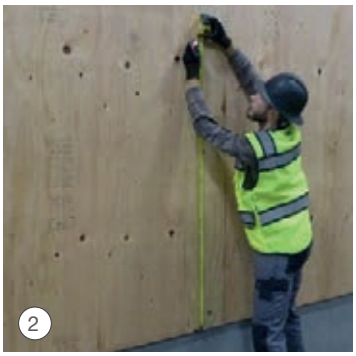
2. Establish Level
- Mark course height using a pencil or chalkline, or by using overlap guide on previous course
- Ensure 4" minimum horizontal and vertical overlap, aided by factory-printed grid and overlap guides

3. Start One Upper Corner
- Peel back upper corner of release liner and position onto wall at leveling mark
- Apply pressure to adhered area

4. Remove Upper Release Liner
- Gradually peel off release liner while applying flat to wall, maintaining level
- Smooth from center out, to minimise wrinkling and air bubbles

5. Remove Lower Release Liner
- Remove release liner from bottom half and smooth onto wall

6. Press On Firmly
- Apply heavy pressure to entire surface using SIGA Squeegee (shown) or counter-top roller

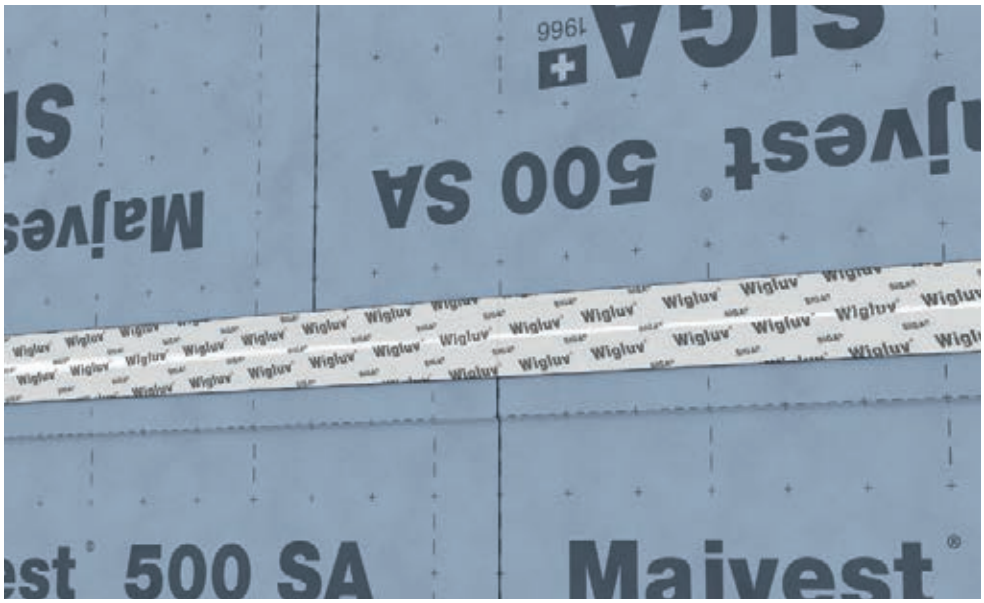


4.4 Wall Area Techniques

Layering Strategy
- Install courses in water-shedding fashion, starting at the base of wall and working upwards
- Stagger vertical joints (minimum 8") to avoid paths for moisture intrusion at tangential overlaps
- Favor shorter sections of material, for walls with numerous interruptions

Using the 18" Detail roll:
- pre-strip transitions or penetrations, when construction processes are out-of-sequence
  > apply upper 9" of Detail Roll to wall and leave the lower backing material in place
  > particularly useful for sheet metal flashing integration
- manage thick-wall window opening returns
- de-couple Field WRB for substrate changes

Reverse Laps
A reverse lap is a condition wherein a lower course of water-shedding material is applied over a higher course of material, counter to the gravitional flow of water. Even with fully-adhered membranes, water intrusion presents a serious risk to the entire building assembly and sufficient planning should be taken to reduce incidence of reverse laps.
However, due to the bond strength of Majvest 500 SA, it may not be feasible to lift the sheet to correct mistakes. When reverse laps are unavoidable, implement the following to produce a resilient repair.
- Seal using SIGA Wigluv
- Apply minimum 1" wide to top lap and press on firmly.



5.1.1 Target Method Option

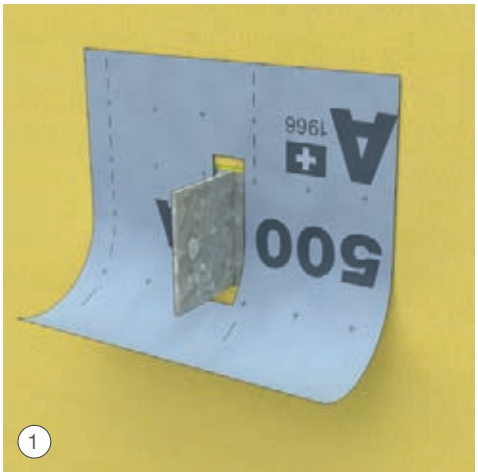
Penetrations may be detailed either before or after the Field WRB has been installed. Use the Target Method when sealing Penetrations before Field WRB. Target Method promotes a full drainage plane integration with the WRB course, as described below.

1. Cut a rectangular "Target" of Majvest 500 SA a minimum of 6" around entire penetration
> 18" Detail Roll is recommended
- Cut an opening ½" larger than size of penetration, centered in the Target
- Remove backing material from Upper portion only
- Apply to wall, leaving a flap of un-adhered material below the penetration

2. Seal penetration with Wigluv (steps not shown: see 5.1.2 or 5.1.3 for instructions)

3. Shingle lower course of Majvest 500 SA field membrane beneath
- Remove backing material from Lower portion of Target and press on

4. Install upper course of Majvest 500 SA field membrane:
- create a u-shaped cutout around penetration
- maintain required overlaps between sheets



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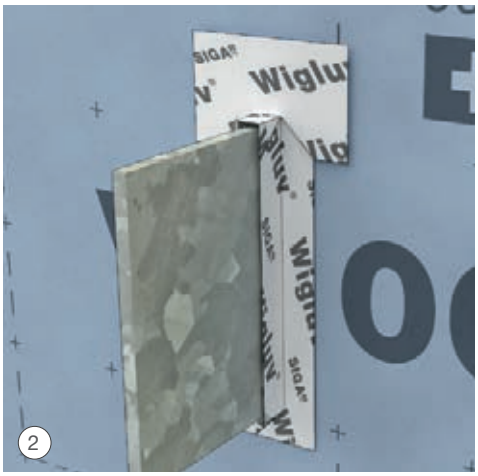

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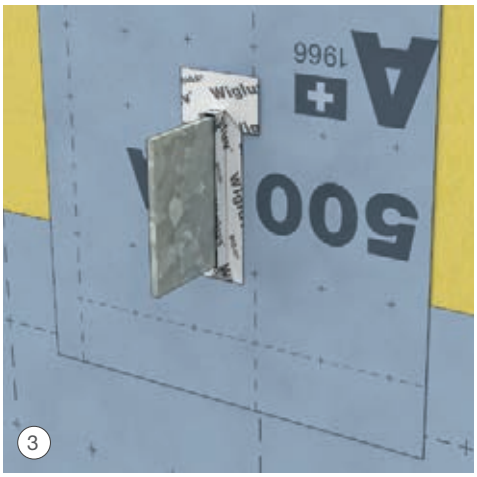

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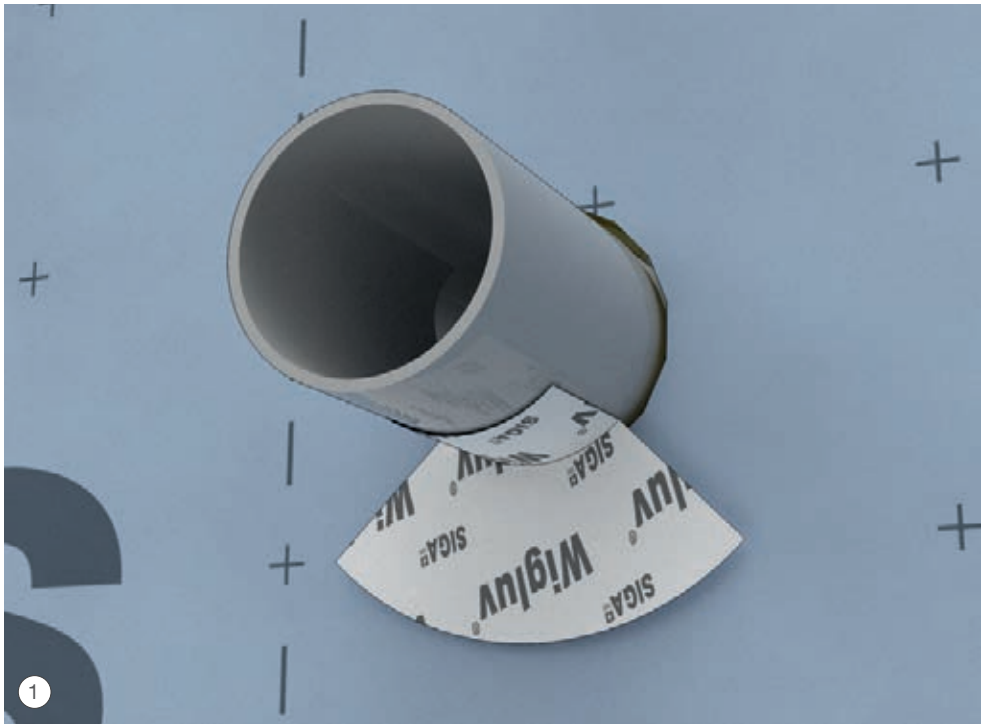
5.1.2 Round Penetrations

1. Trim Majvest 500 SA cleanly around the penetration

- Seal from bottom to top, in weatherlap fashion:
  - > Cut short length of Wigluv
  - > Fold tape in half, lengthwise
  - > Apply to penetration, then to Majvest 500 SA.
  - > Press on firmly

2. Repeat, overlapping each piece of tape to assemble a gasket



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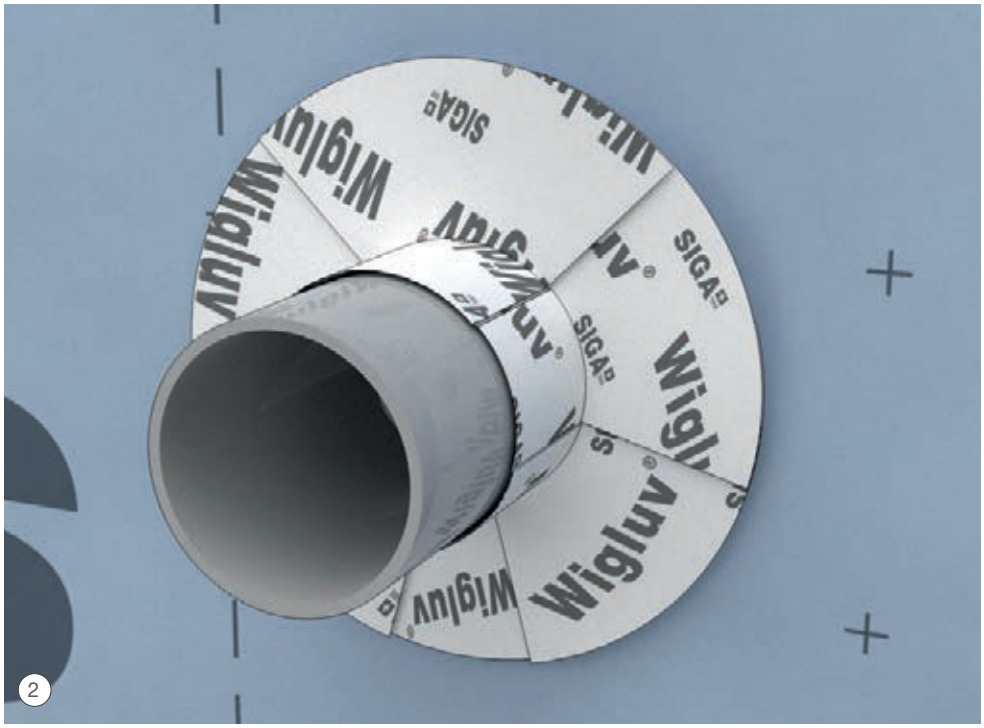

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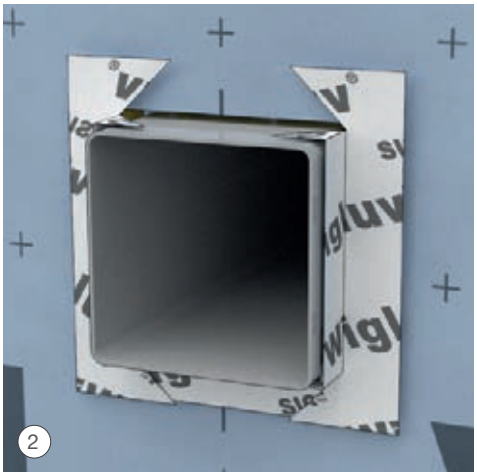
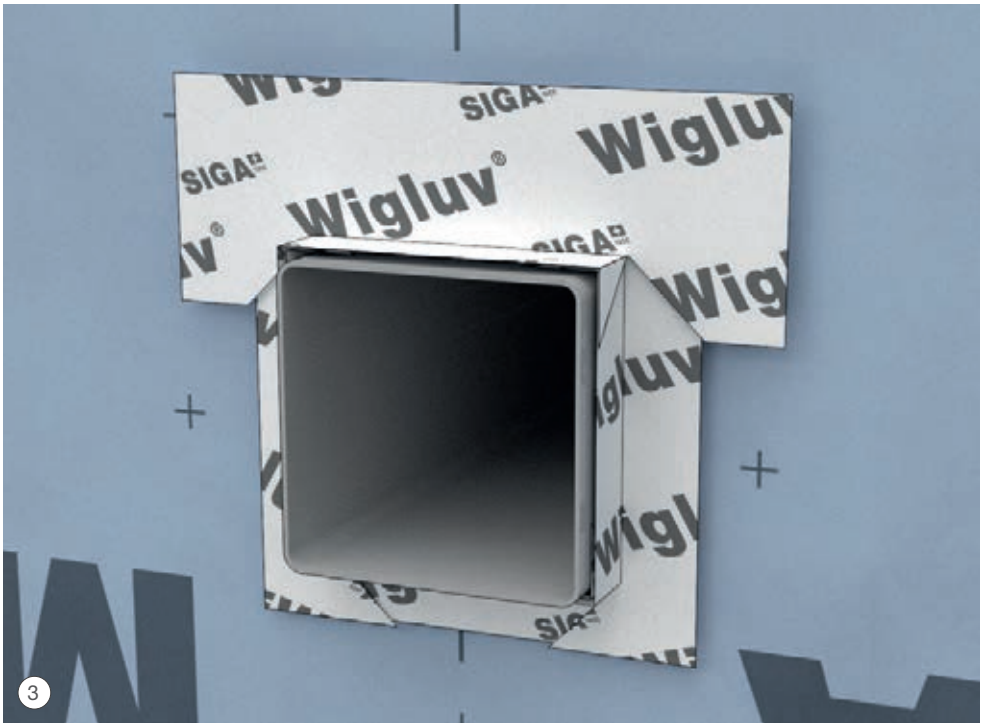
5.1.3 Square Penetrations

1. Trim Majvest 500 SA cleanly around the penetration
- Seal from bottom to top, in weatherlap fashion
  - > Cut piece of Wigluv to extend 1" past left and right horizontal edge of penetration
  - > Fold Wigluv in half lengthwise and bond to penetration, then to Majvest 500SA
  - > Make 45° cuts at each end, from the inside corner outward
  - > Press on firmly

2. repeat for 2 vertical lengths of penetration

3. repeat for horizontal top edge, extending minimum ½" wider than vertical pieces





5.2.1 Pre-Flashing: Target Method

For installations where windows will be installed before the Field WRB, create a flashed "target" around the Rough Opening (RO) using Majvest 500 SA and Wigluv. The 18" Detail Roll is recommended for ease of use.
If a Back-dam is desired, install prior to Part A. See 5.2.7 and 5.2.8

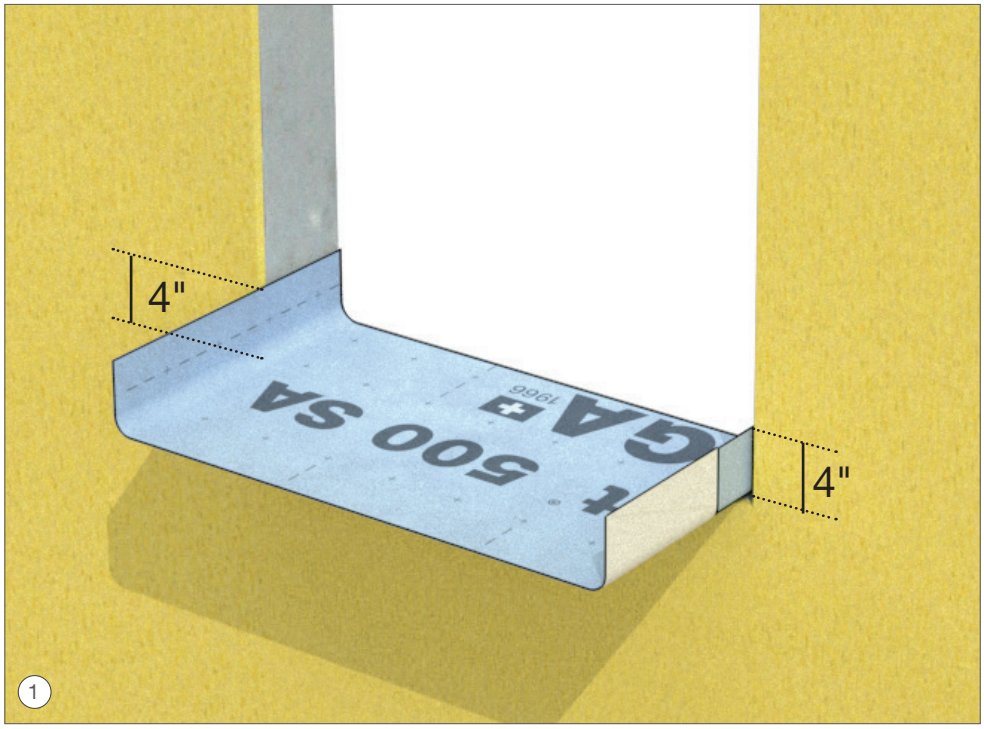
Part A: Create an Apron using Majvest 500 SA

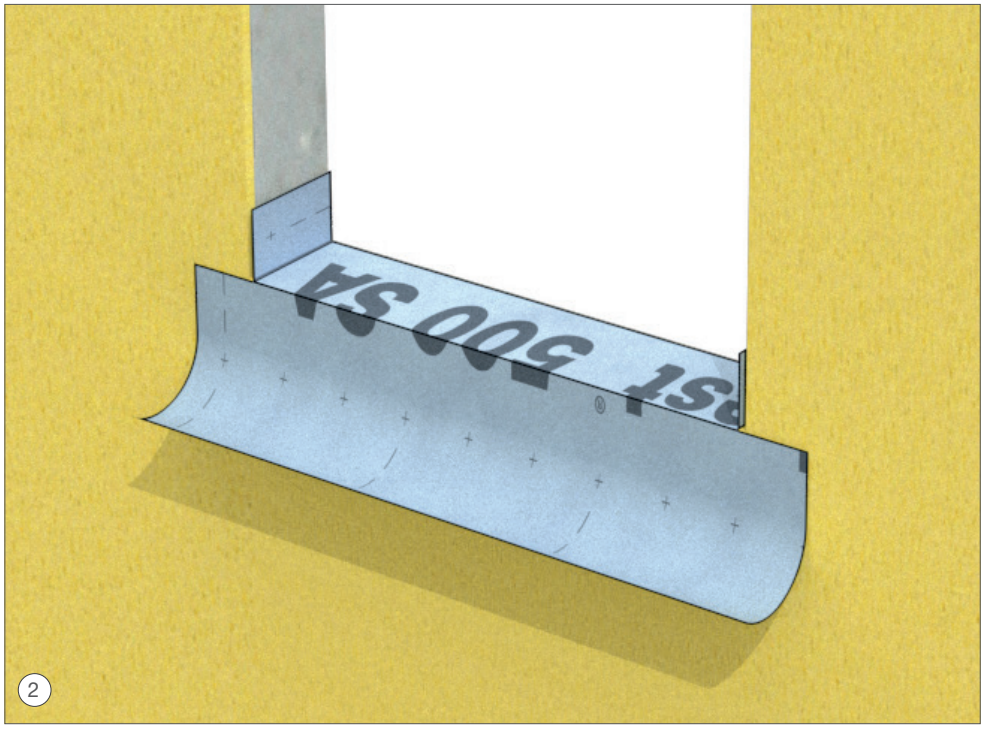
Sizing Requirements:
minimum width: RO depth + 9"
length: RO width + 8" (to extend 4" past each end)

1. Apply to sill and up onto jambs
- Remove upper release liner ONLY
- Center material left to right in RO
- Justify exposed factory edge to interior edge of framing and apply to sill
- Use a flat, plastic paddle to fit material tightly into corners and up 4" onto jambs

2. Cut each end
- Make a flush cut downwards, along each jamb to corner

3. Flap apron down
- Fold remaining 'apron' over front edge of sill
- DO NOT REMOVE LOWER RELEASE LINER
- Press on firmly





5.2.1 Pre-Flashing: Target Method (continued)

Part B: Pre-Flash entire Rough Opening using Wigluv

Sizing Requirements:
– minimum coverage 3" onto exterior sheeting
– coverage into RO ≥ thickness of window
– Wigluv 100 is recommended for corner gussets

1. Flash Sill
cut to length: full width of sill +4" (to extend 2" past each end)
- Crease along split backing and remove one backing strip
- Center and apply to exterior face
- Cut along crease from each corner to end
- Remove second backing strip and fold into RO
- Work out from center, upturning excess at each end
- Press on firmly.

2. Create Gusset with Wigluv 100
cut to length: full depth of RO + 3"
- crease along split backing
- trim off 45° angle 'dog-ear'

3. Sill Gussets
- *install crease into lower corners of RO*
- *fold surplus onto exterior at a 45° angle*
- *spread from center to reduce wrinkling*
- *press on firmly*

4. Flash Jambs
cut to length: top of jamb +2" and flush to bottom edge of Wigluv sill flashing

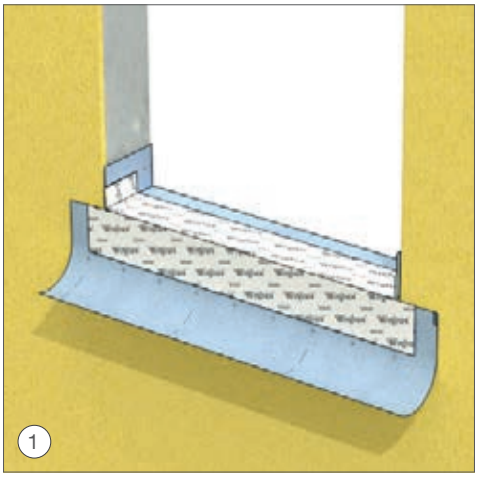
- *Repeat sill flashing method*

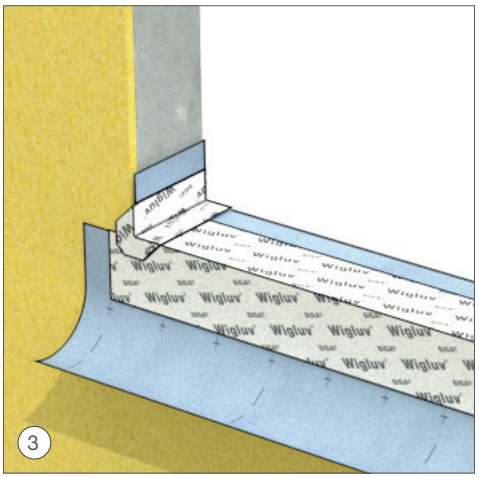
5. Head Gussets
- *Repeat Steps 2+3, at upper corners of RO*

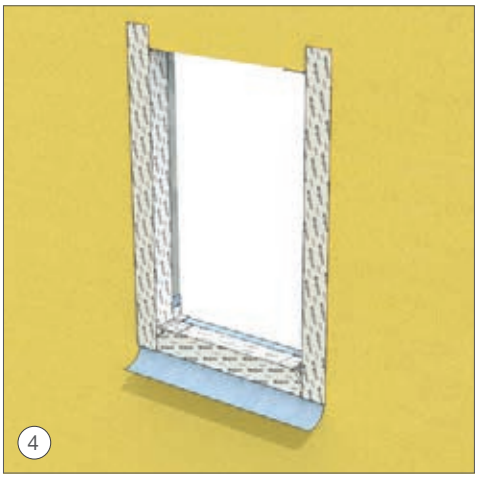
6. Flash Head
cut to length: minimum 1" wider than outer edges of jamb flashings

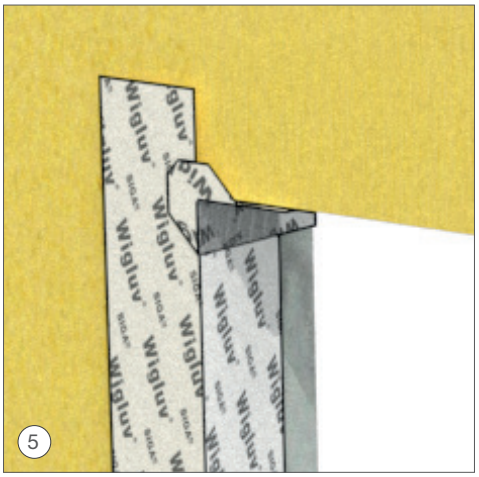
- Repeat sill flashing method

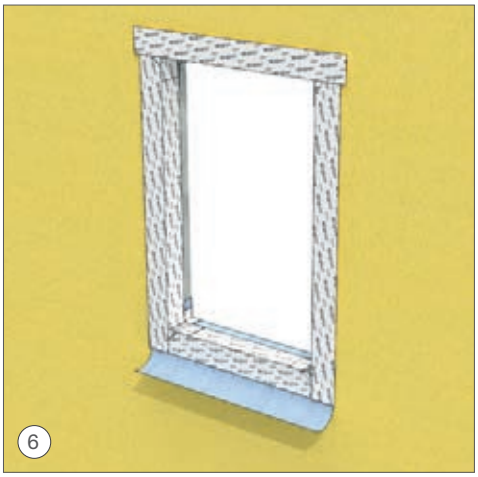
7. Proceed with Window Installation, per manufacturer's recommendations.
See 5.2.3 or 5.2.4











5.2.2 Pre-Flashing: Cut-Out Method

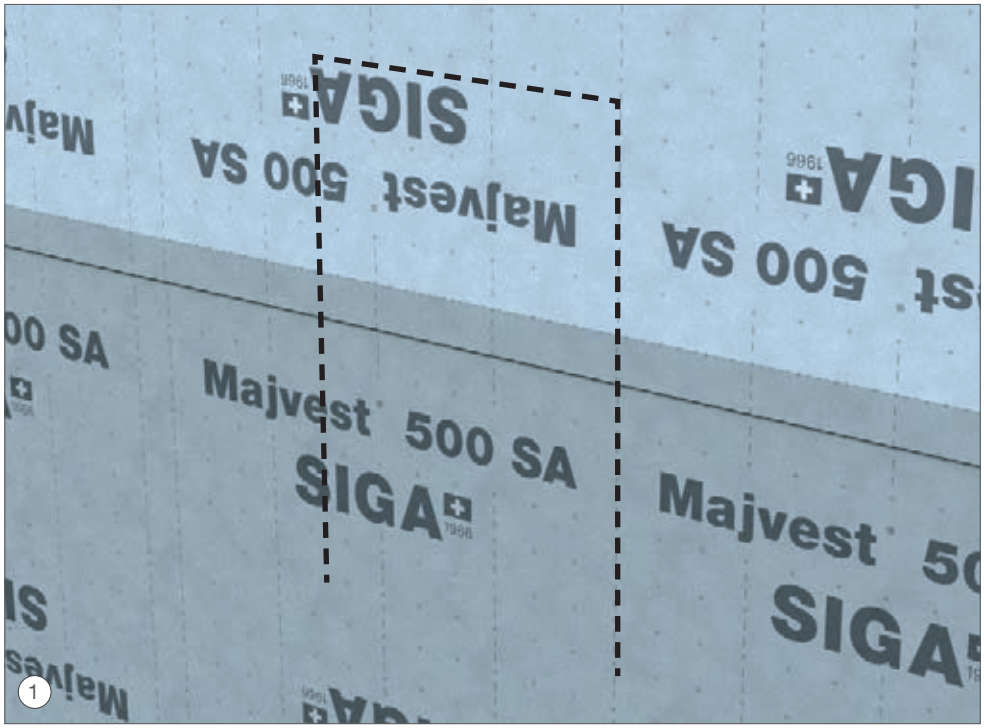
For installations where the Field WRB will be installed before the Windows, Majvest 500 SA is applied directly over the Rough Opening (RO). Sheet metal flashing integration at the head may require Reverse-lap treatment (see 4.3)

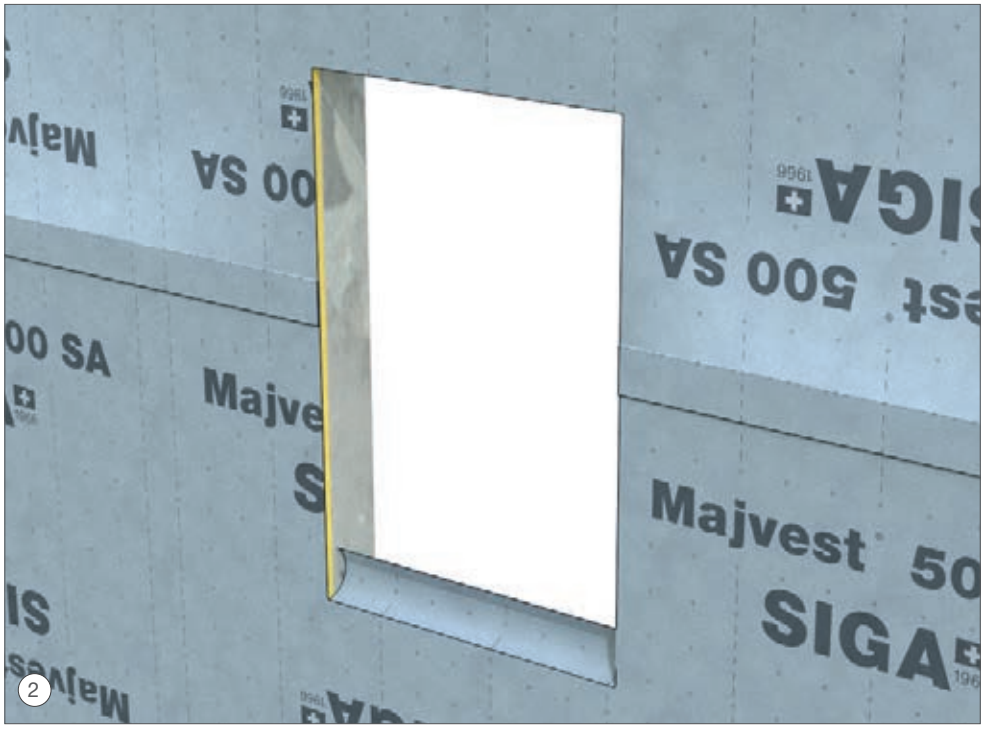
If Back-dam is desired, install prior to Cut-Out step. See 5.2.8

PART A: Prepare the Majvest 500 SA

1. Cut out the RO
Make 3 flush cuts: along entire length of head and both jambs

2. Fold onto Sill
Crease flap of loose material along sill edge and into opening. Press on firmly and flush cut excess at interior edge of RO





5.2.2 Pre-Flashing: Cut-Out Method (continued)

Part B: Pre-Flash entire Rough Opening using Wigluv

Sizing Requirements:
– minimum coverage 3" onto exterior sheeting
– coverage into RO ≥ thickness of window
– Wigluv 100 is recommended for corner gussets

1. Flash Sill
cut to length: full width of sill +4" (to extend 2" past each end)
- Crease along split backing and remove one backing strip
- Center and apply to exterior face
- Cut along crease from each corner to end
- Remove second backing strip and fold into RO
- Work out from center, upturning excess at each end
- Press on firmly.

2. Create Gusset with Wigluv 100
cut to length: full depth of RO + 3"
- crease along split backing
- trim off 45° angle 'dog-ear'

3. Sill Gussets
- install crease into lower corners of RO
- fold surplus onto exterior at a 45° angle
- spread from center to reduce wrinkling
- press on firmly

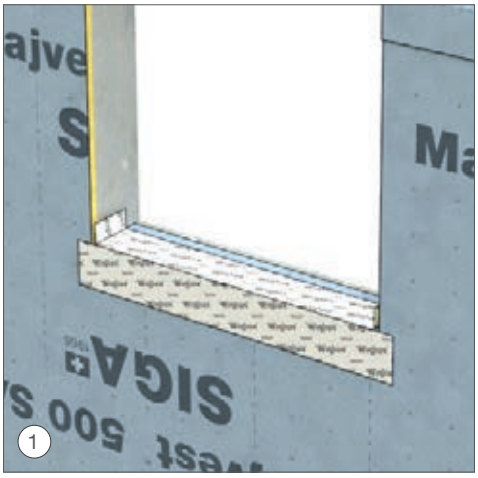
4. Flash Jambs
cut to length: top of jamb +2" and flush to bottom edge of Wigluv sill flashing
- Repeat sill flashing method

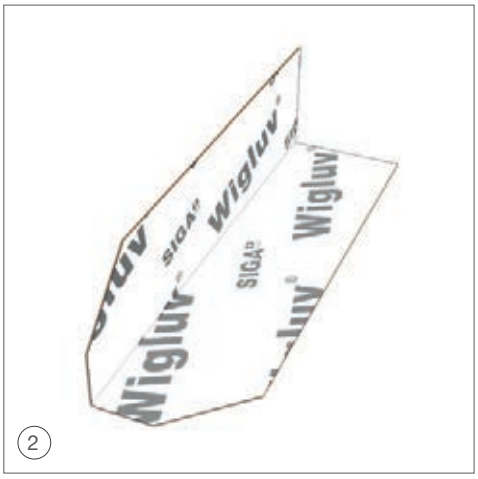
5. Head Gussets
Repeat Steps 2+3, at upper corners of RO

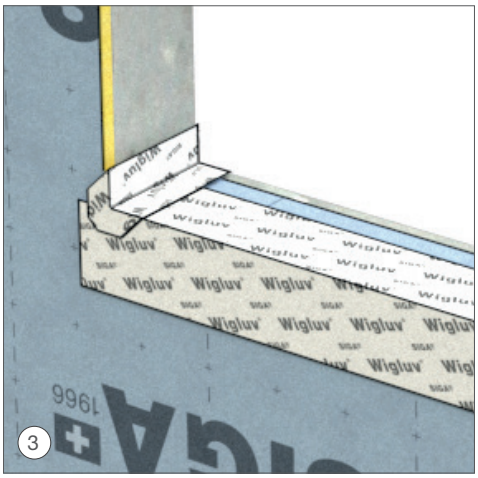
6. Flash Head
cut to length: minimum 1" wider than outer edges of jamb flashings

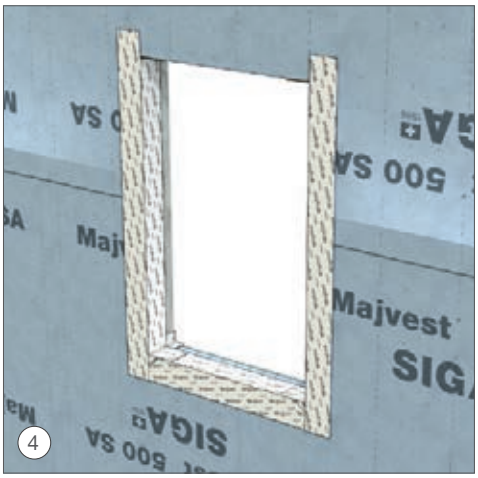
- Repeat sill flashing method

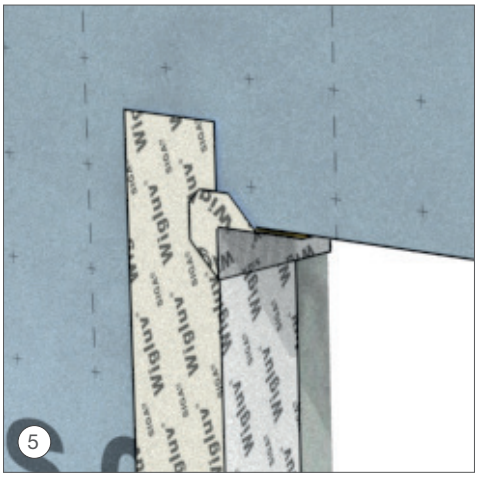
7. Proceed with Window Installation, per manufacturer's recommendations.
See 5.2.3 or 5.2.4

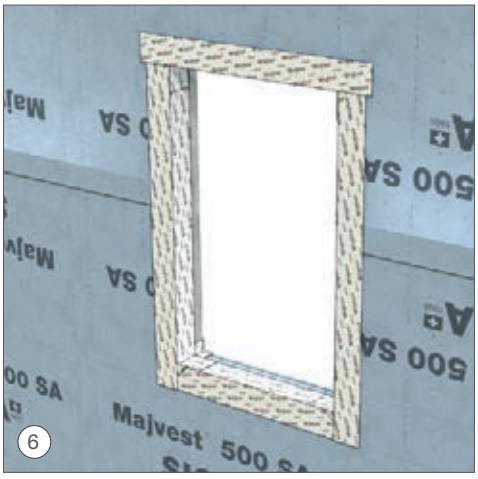












5.2.3 Window Installation – Flange Type

Install window according to manufacturer's instructions. When Wigluv is used for both pre-flashing and counter-flashing, liquid sealant is not required behind nailing flange to meet AAMA 2400 requirements.

Sizing Requirement:
use Wigluv 100 or wider to counter-flash nail flange

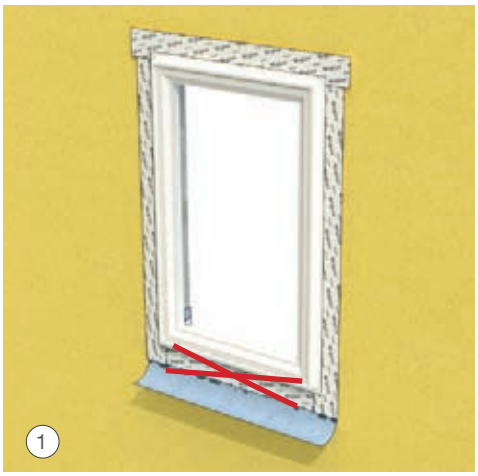
Installation:

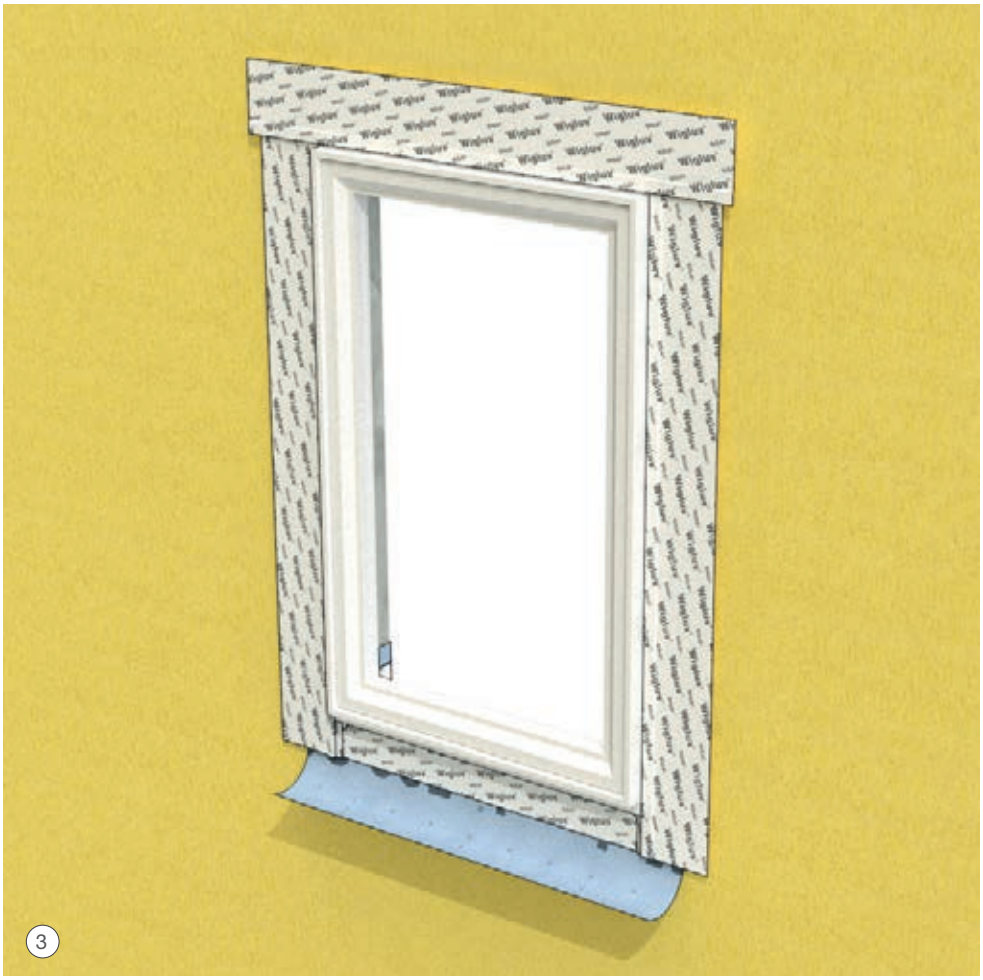
1. Do not tape bottom (sill) flange, to allow for drainage

2. Counterflash Jambs
- cut Wigluv full length of flange +1" at both top and bottom
- dogear one corner of tape to aid with alignment
- remove backing strips and press on firmly

3. Counterflash Head
- cut Wigluv full span of jamb flashing +1" at each end
- dogear one corner of tape to aid with alignment
- remove backing strips and press on firmly

4. Integrate with drainage plane (see 5.2.5 or 5.2.6)





5.2.4 Window Installation – Rebate Type

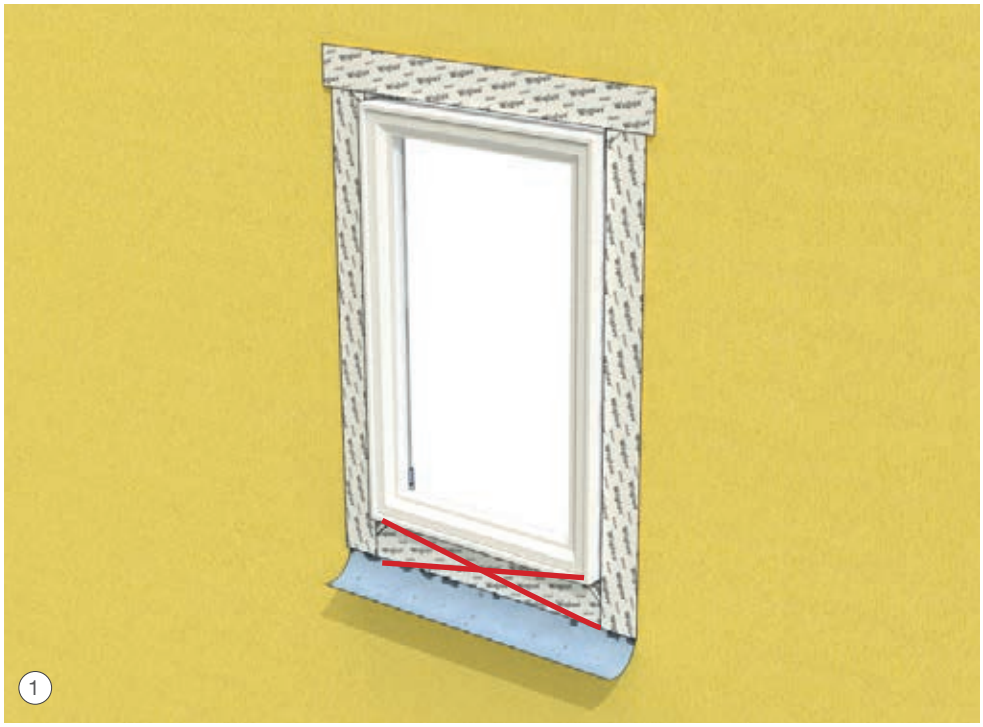
1. Install Window
- Maintain even ½" gap around window perimeter
- Install window according to manufacturer's instructions. Consult your local SIGA representative for additional inset window configurations.

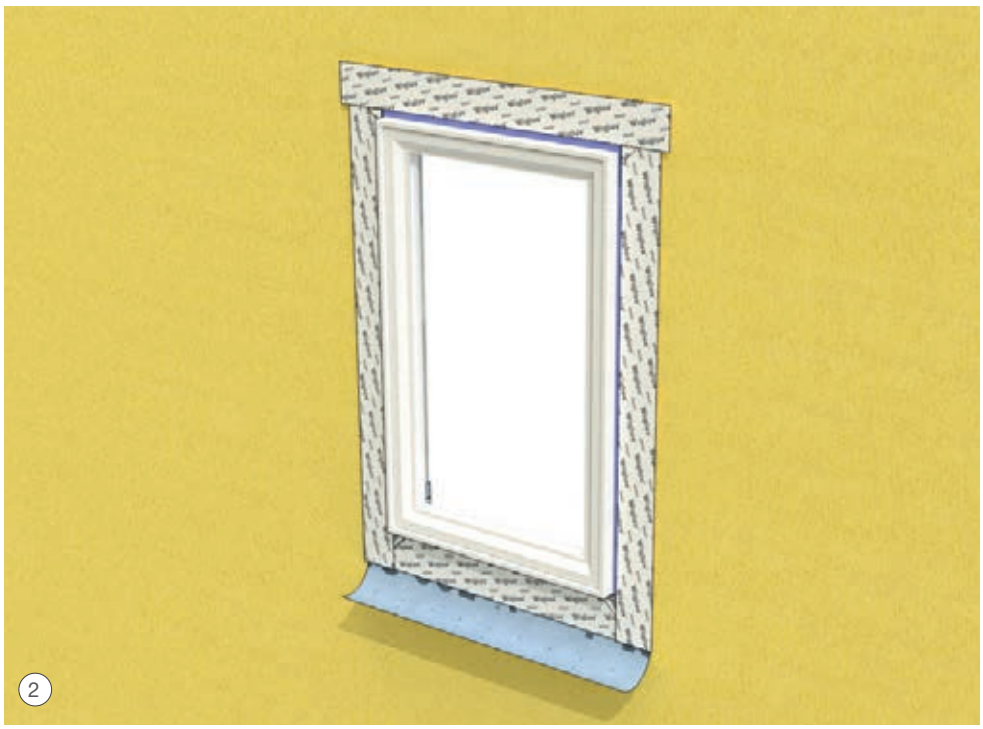
2. Seal Window Joint
- Do not cover joint at sill to allow for drainage

Option 1 – Sealant (shown, in blue)
- Apply appropriately sized backer rod and compatible liquid sealant around perimeter
- Maintain 2:1 sealant joint profile
- See siga.swiss or SIGA representative for list of compatible sealants.

Option 2 – Fentrim IS 2
- If finish trim will allow, install SIGA Fentrim IS 2 around exterior perimeter.
- Minimum reveal on face of window is 5/8"
- See siga.swiss for detailed instructions.

3. Integrate with drainage plane (see 5.2.5 or 5.2.6)





5.2.5 Integration with Drainage Plane (Target Method)

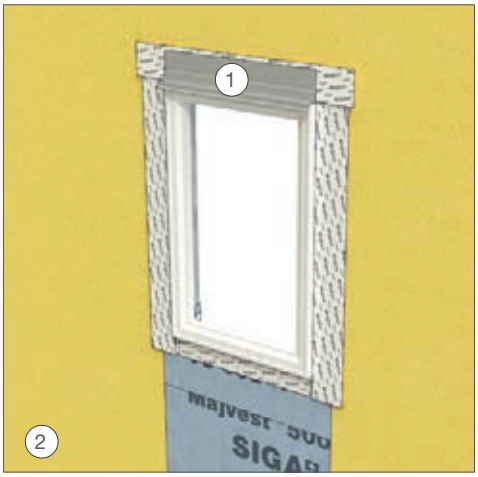
Begin with fully-flashed window (see 5.2.6 or 5.2.7) with apron intact

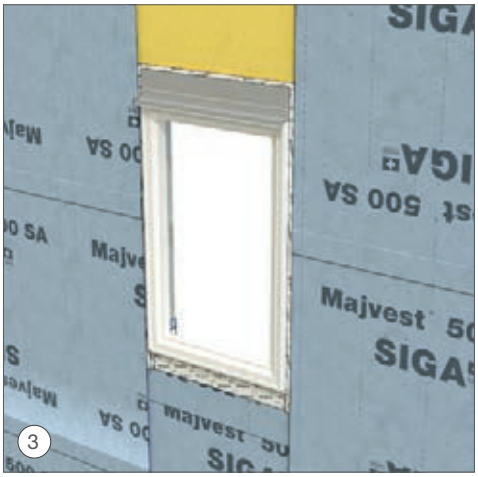
1. Install metal head flashing per project spec.

2. Extending the apron
- install a section of Majvest 500 SA the same width as the apron, from the window sill down to the next lower course
- remove backing strip and bond the overlap
- press on firmly

3. Install adjacent courses of Majvest 500 SA
- terminate ~1/2" from window
- maintain minimum 2” overlap onto Wigluv and 4” overlap onto Majvest 500 SA

4. Install upper course of Majvest 500 SA
- match finished height to adjacent course
- maintain 2" overlap onto metal and 4" overlap to Majvest 500 SA
- ensure full width coverage of metal flashing



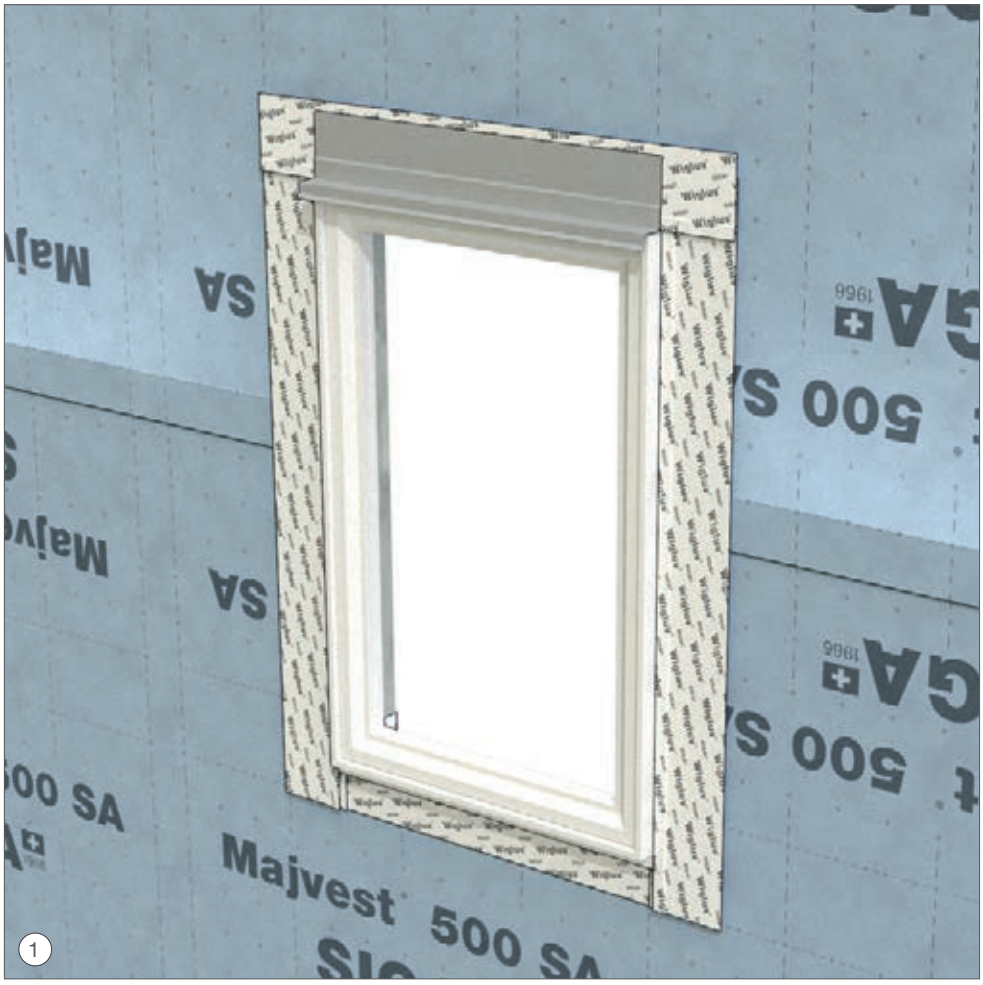


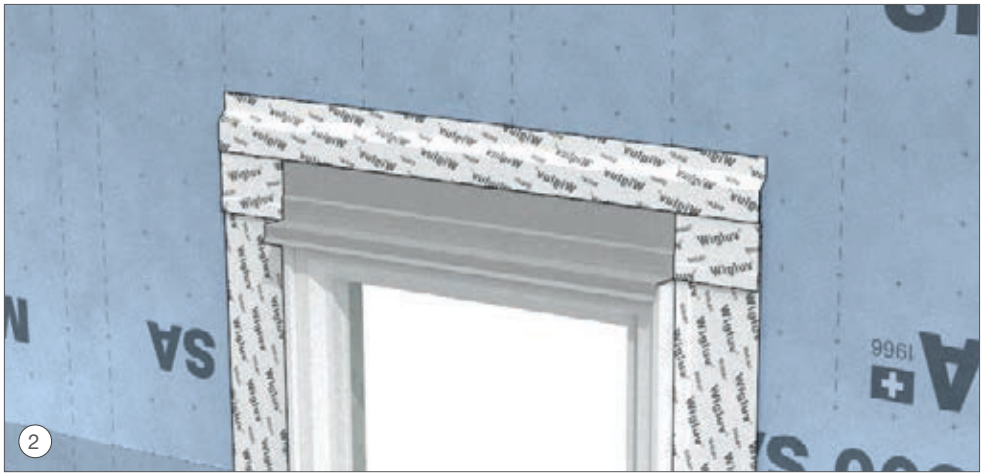
5.2.6 Integration with Drainage Plane (Cut-Out Method)

Begin with fully-flashed window
(see 5.2.6 or 5.2.7)

1. Install metal head flashing per project spec.

2. Seal reverse lap with Wigluv (see 4.3)
- minimum overlap onto flashing is 1"
- extend full width of counterflashing





5.2.7 Back-dam Waterproofing

Sill drainage strategy will enhance the long-term durability of window installations, and may be mandated in certain jurisdictions. A rigid back-dam with flat sill and Wigluv-formed pan is illustrated here. For additional options, consult your local SIGA representative. Install Back-dam procedure in conjunction with either Target Method (5.2.1, shown) or Cut-Out Method (5.2.2) Pre-Flashing sequence.

1. Fix back-dam material to sill per project specification (aluminum angle shown)

2. Install Majvest 500 SA apron
- Target method requires cutting out 4" jamb flaps
- No adaptation for Cut-Out method
- Fold Majvest 500 SA up to and over top back-dam material

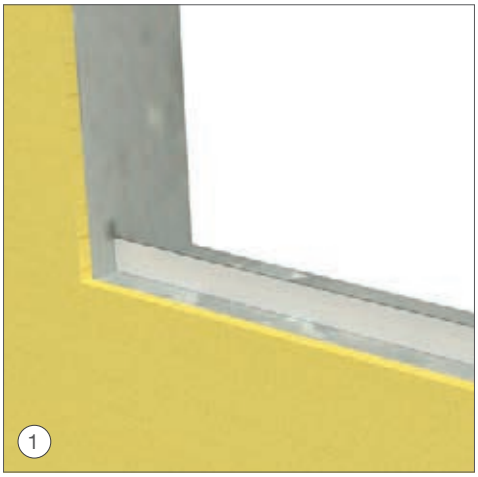
3. Flash Sill with Wigluv
cut to length: full width of sill +4" (to extend 2" past each end)
- Crease along split backing and remove one backing strip
- Center and apply to exterior face
- Cut off 2" extension from each end of unadhered flap
- Remove second backing strip and fold into RO
- Fold into crease and over top edge of back-dam

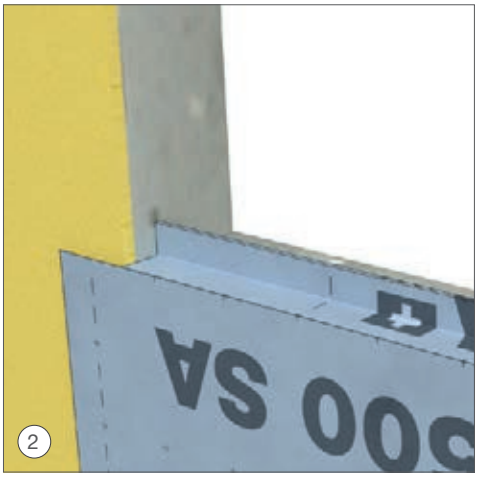
4. Install Sill Gussets with Wigluv 100
- cut to length: back-dam depth + 3"
- install into lower corners of RO
- fold surplus down at a 45° angle onto the exterior

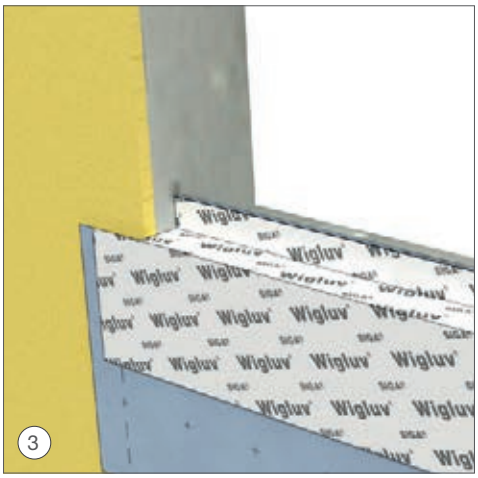
5. Install 3D corner boot (see 5.2.8)

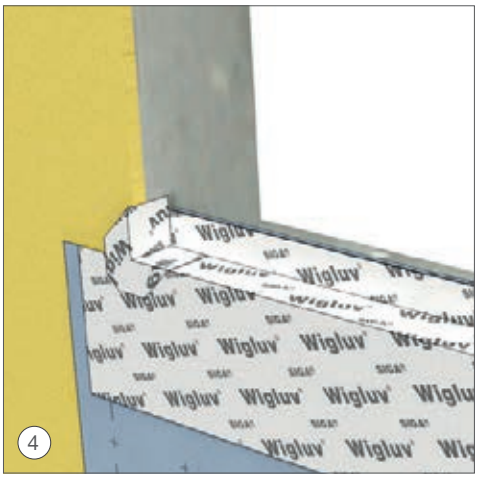
6. Flash Jambs
- RO return dimension = back-dam depth
- Ensure handle from boot is sealed under-neath
- Maintain 3" minimum width coverage on exterior

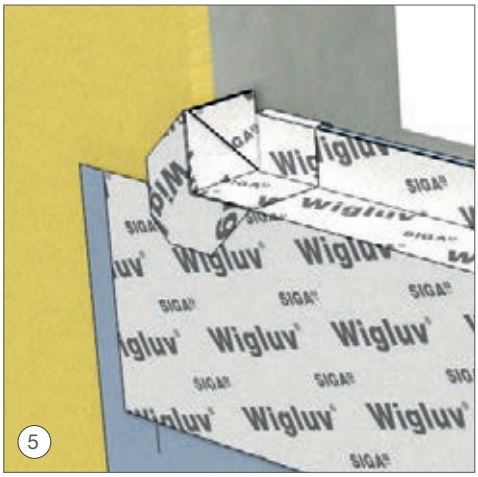
7. Continue with remaining Pre-Flashing Steps (see 5.2.1 or 5.2.2)

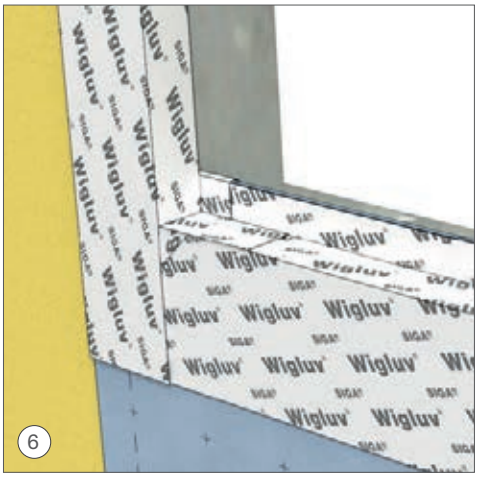












5.2.8 Sill-Pan Boot Creation

Use Wigluv 100 to construct a 3-dimensional, watertight inside corner.

1. Cut 4" piece of Wigluv 100 and crease along split backing

2. Remove 2" of backing material and crease

3. Fold exposed adhesive at 45° onto itself, so that the tape crease meets the backing crease

4. Unfurl the object and establish boot shape
- Position into corner using triangle handle
- Remove backing strips and bond

5. Trim top of boot to end-dam height and fold excess Wigluv onto or over back-dam
- Proceed with 5.2.7 Step 6
- Ensure triangle handle is covered by jamb flashing


1


2


3


4


5

5.2.9 Interior Air-seal

Due to the necessity for bulk water drainage at the sill, the Air Barrier must transfer to the interior of the window component for a continuous seal.

Alternate solutions are available depending on detailing of installation clips, finish trim or drywall reveal, cure time, and overall constructability. Consult a SIGA representative for project-specific guidance.

Before proceeding, windows should be installed and insulated per manufacturer's instructions, with exterior flashing applied.

Option 1 – SIGA Fentrim IS 20

1. Ensure joint design will make continuous contact with a fully air-sealed RO.
- Seal or fill any knockouts, knots or other holes in RO framing
- Entire depth of RO should be sealed at sill and all four corners (exception for Back-dam)

2. Prepare Corner Boot
- Cut a 3" piece of Fentrim IS 20 and make a crosscut at the center of the narrow 5/8" pre-folded section
- Crease the center of the wide section and bond the two crosscut parts together, forming a boot

3. Seal 4 Corners
- Bond corner boot to window profile
- Remove backing strip
- Bond to rough opening.
- Repeat at each corner.

4. Seal Straight Lengths
- Bond first to window, then bridge to rough opening
- Maintain consistent 5/8" contact with window frame
- Repeat for jamb, sill, head
- Press on firmly

Option 2 – Sealant and backer rod (not shown)

1. Ensure joint design will make complete contact with a fully air-sealed RO.
- Seal or fill any knockouts, knots or other holes in RO framing
- Entire depth of sill should be sealed by exterior sill pre-flashing and all four corner gussets

2. Join Window to RO
- Apply appropriately sized backer rod and compatible liquid sealant around perimeter
- Maintain 2:1 sealant joint profile
- See siga.swiss or SIGA representative for list of compatible sealants.

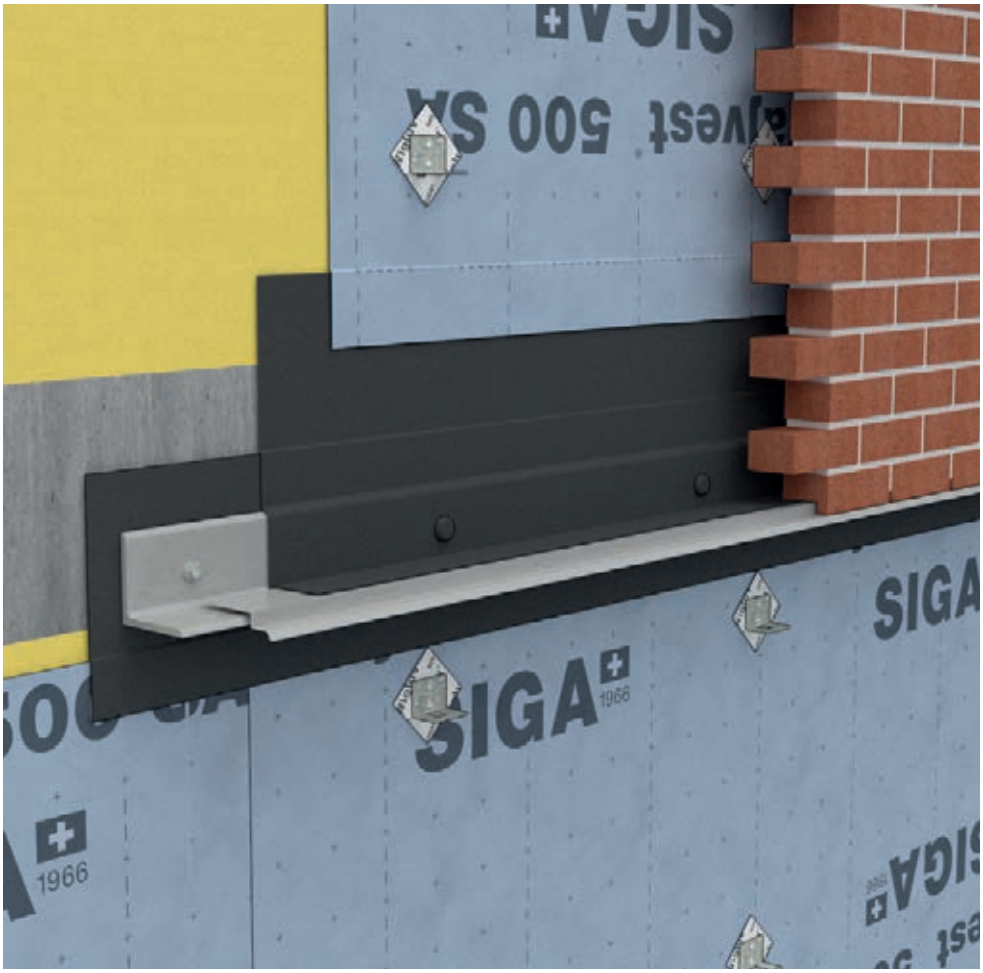
5.3.1 Thru-Wall (Cross-Cavity) Flashing

1. Before shelf angle installation:
- Apply a course of impermeable self-adhered membrane (SAM, shown in black) onto slab edge, overlapping Majvest 500 SA course below

2. Install shelf angle and stainless steel drip edge
- If shelf angle is not hot-dipped galvanized, completely encapsulate with SAM

3. Install another course of SAM to bridge stainless steel drip edge, shelf angle, slab edge, and upper wall sheathing

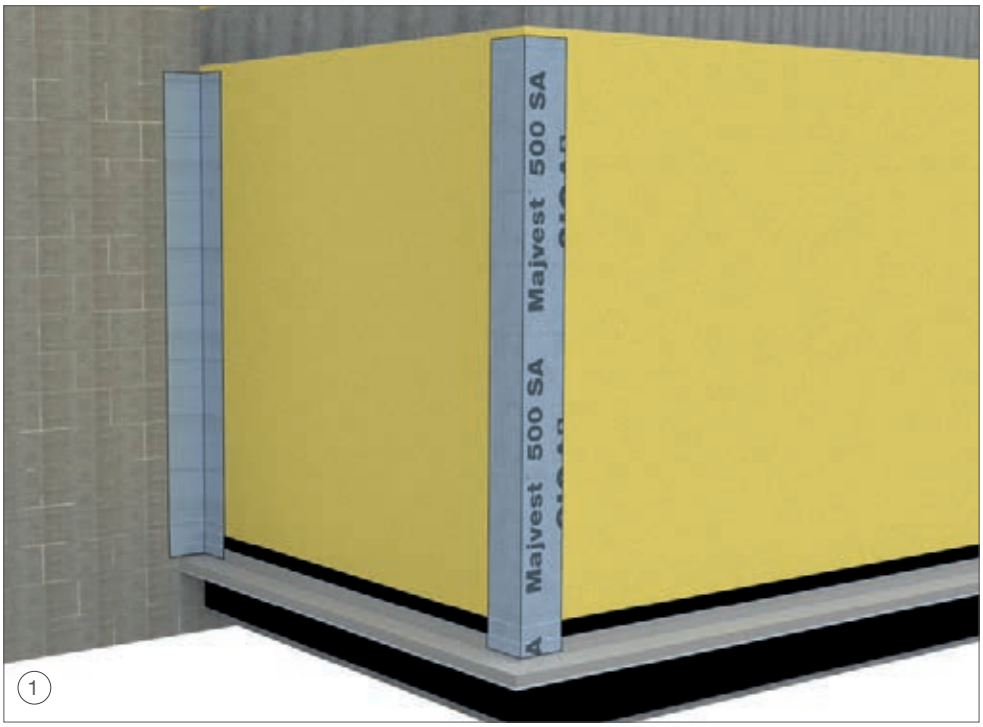
4. Lap upper Majvest 500 SA course over SAM and press on firmly



5.3.2 Inside / Outside Corners Strip-In Method

1. Install vertical strip of Majvest 500 SA using 18" Detail Roll
- Use 50/50 split backing to easily align into corner, without tenting

2. Install field membrane either horizontally or vertically, abutting each course at corner (maintain 4" minimum overlap)
- Ensure positive weatherlapping of cut edges in horizontal application
- Proceed with additional courses. Process is the same for inside and outside corners.



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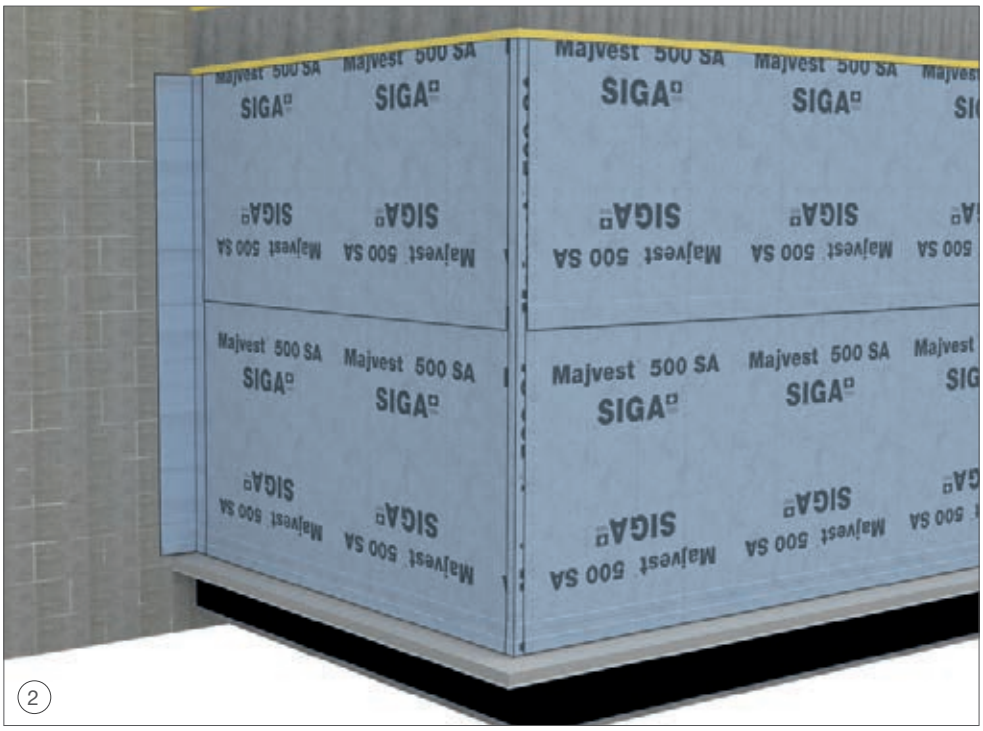
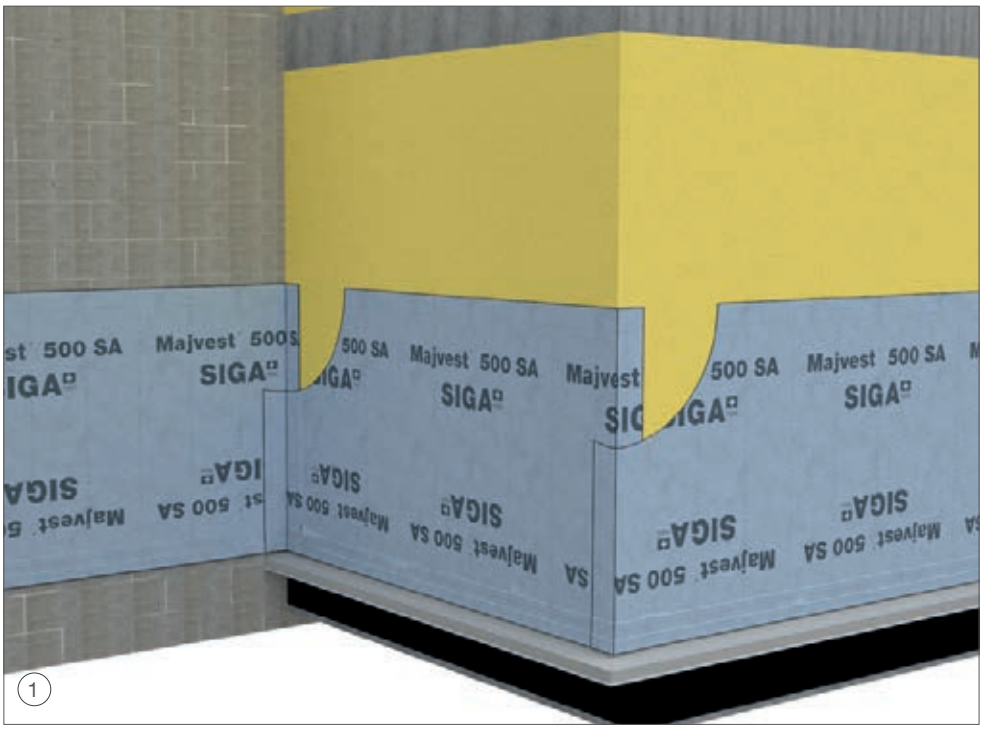


2

5.3.3 Inside / Outside Corners Double-Overlap Method

1. Install lower course of Field WRB into corner and 6" beyond onto adjacent wall. Install tight to corner without tenting.
- Reflect same method, from the other direction, creating a full 6"+6" overlap at the corner.

2. Alternate layering order (left first, then right first, and so on) for following courses to achieve staggered vertical joints
- Process is the same for inside and outside corners.



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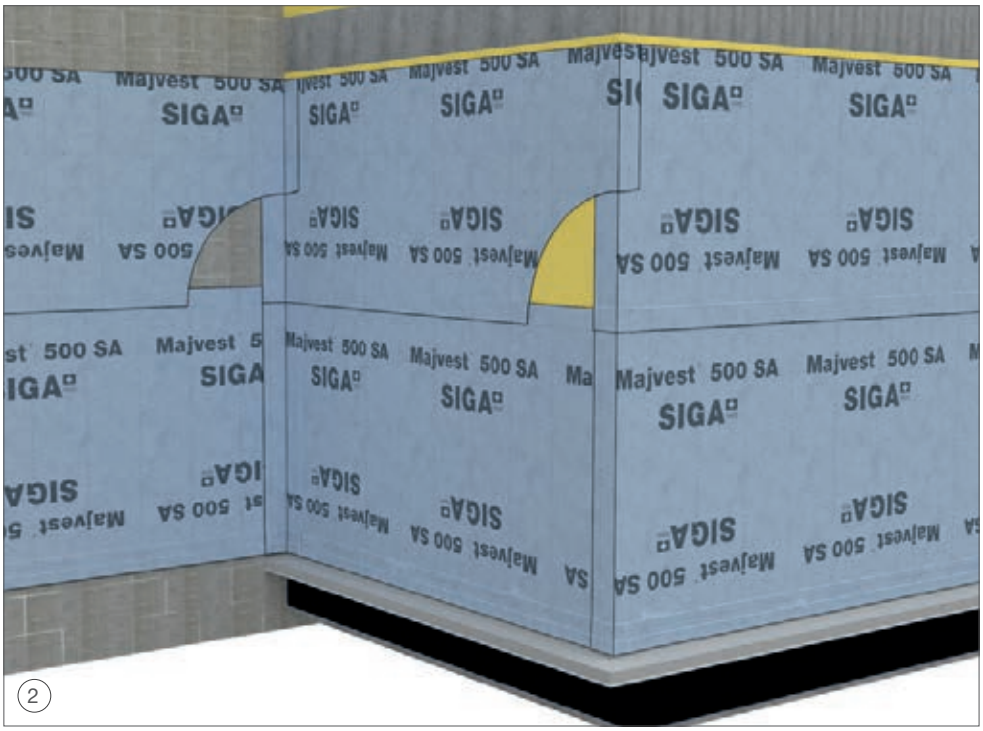


2

5.3.4 Expansion Joint –7/8" and smaller

- Install a minimum 9" width strip of Majvest 500 SA, centered on joint
- Create a stress-relief loop into joint
- Ensure 4" overlap of field membrane on each side of joint
- For horizontal joints, ensure positive weatherlapping of subsequent layers

5.3.5 Substrate Control Joint

- Install band of Majvest 500 SA or Fentrim 12" to decouple Field WRB at mixed substrates.
- For horizontal control joints, apply minimum 4” onto upper substrate
- Maintain lapping requirements.

5.3.6 Cladding Attachments – Brick Ties

Majvest 500 SA is an abrasion-resistant material with self-gasketing properties and treatment of fastener penetrations is not required in all cases. However, reinforcing the contact point of cladding attachments will enhance these characteristics, especially where mechanical strain is applied to the surface.

- Install Wigluv 4" or wider behind each anchor, on a 45° orientation.
- Fasteners should always be embedded into structural member.
- Ensure contact plate of brick tie is fully bounded within Wigluv patch area

5.3.7 Base of Wall with Brick Ledge

1. Install sloped mortar bed at concrete ledge.
- Minimum 3.5° (6%) slope
- Allow to cure

2. Apply impermeable self-adhered membrane (SAM, shown in black) onto sheathing, across mortar bed, and onto face of foundation (minimum 2" wide)

3. Install sheet metal flashing

4. Install first course of Majvest 500 SA.
- Overlap both SAM and sheet metal flashing (minimum 2" wide, each)
- Establish starting height of cladding at minimum 6" above grade

5.3.8 Parapet

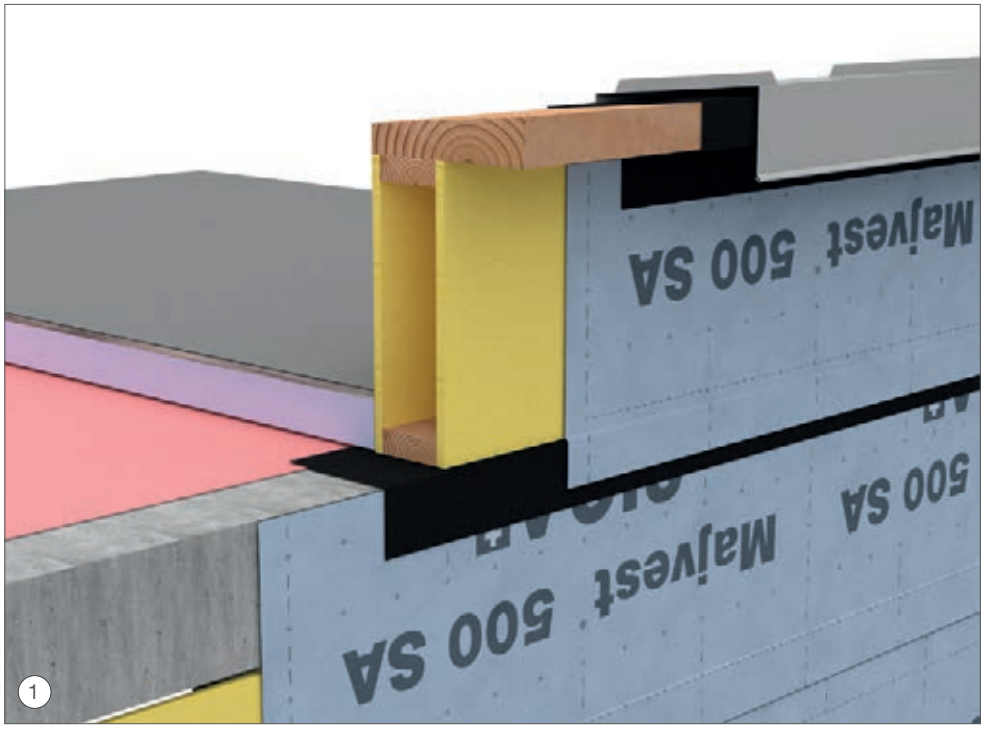
1. Prior to framing parapet, install impermeable self-adhered membrane (SAM, shown in black) to connect interior air barrier (shown in pink), slab edge, and Field WRB

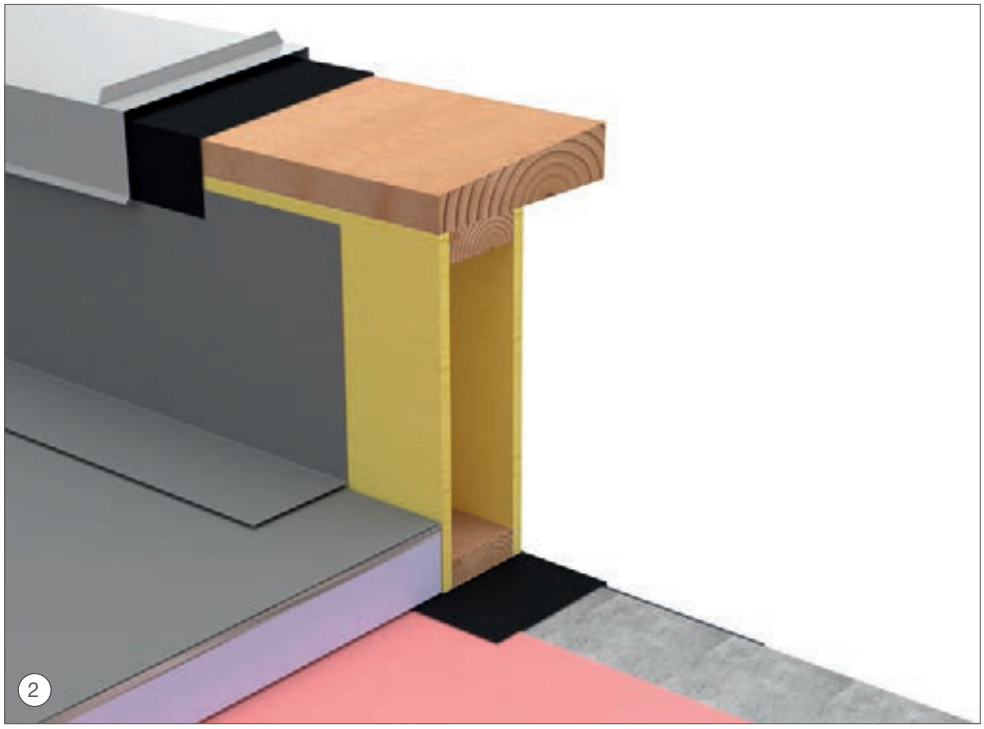
2. Frame parapet cap with a minimum 5° (9%) slope

3. Install Majvest 500 SA onto parapet exterior, flush with underside of cap and over SAM below

4. Install SAM to encapsulate parapet cap
- Overlap roofing material (inside) and Majvest 500 SA (outside)
- Ensure substrate compatibility with roofing material

5. Install metal cap flashing per spec

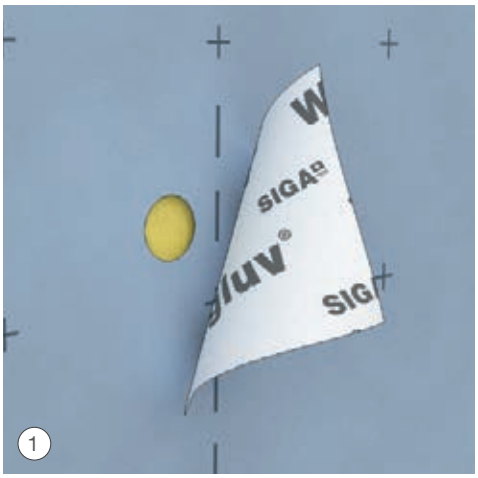




5.3.9 Damage Repair 1" or smaller

1. Apply Wigluv to face of Majvest 500 SA, centered over damage

2. Utilize a 'diamond' orientation, to aid in water-shedding



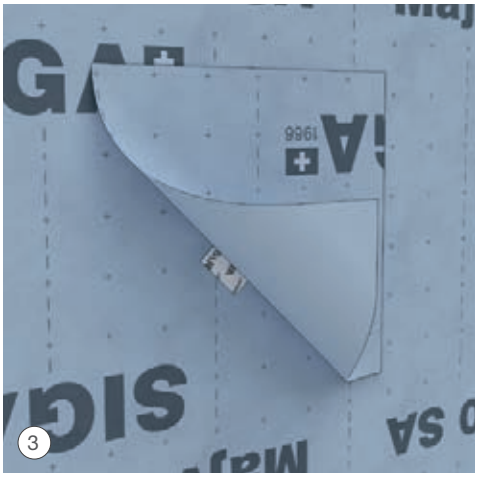
Larger than 1"

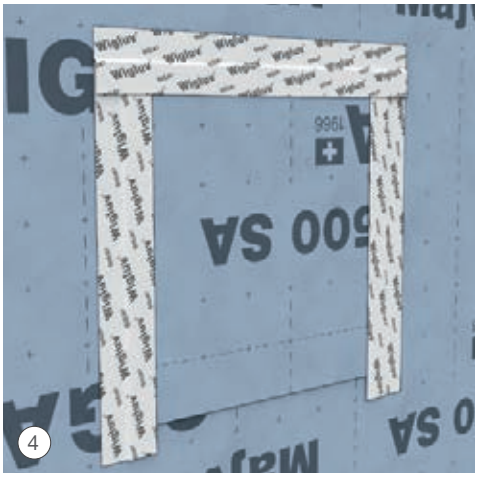
1. Apply Wigluv to face of Majvest 500 SA, centered over damage

2. Utilize a 'diamond' orientation

3. Cover entire damage patch with a skirt of Majvest 500 SA, sized minimum 2" larger than patch area

4. Seal vertical edges and top edge with Wigluv





6. SIGA Reliability

Product properties

SIGA Cover Inc. (SIGA) products have the properties set forth in the corresponding Technical Data Sheets (available at https://americas.siga.swiss/downloads). However, SIGA excludes any liability for processing or use that does not comply with these Guidelines, or:

- In case of unusual influences on the product, in particular, of chemical or mechanical nature
- If permanent mechanical strain (e.g. due to tensile and compression forces) has an impact on the seal
- Multilayered sheeting or paneling materials without sufficient cohesive strength
- If membrane is installed on a roof pitch of < 10 ° / < 2 : 12 rise: run
- In case of open facade cladding with Majvest 500 SA
- In the case of air-sealing in sauna and swimming pool applications
- When using Dockskin, if the primed surface is not applied with Majvest 500 SA, Wigluv, or Fentrim
- When the prerequisites for the secure laying of sheeting are not fulfilled: The substructure must be free of any protruding objects which could cause injury, such as screws etc.
- When the prerequisites for reliable sealing are not fulfilled: The substrate must be dry, structurally sound and free of any dirt, grease, and debris. It must not be adhesive-repellent. Before sealing, clean the substrate and sheeting and perform an adhesion test on site.
- If necessary, strengthen loose substrates with high-performance primer SIGA-Dockskin. **Caution**! The bonds must not be under standing water. Creases or tension in the sheeting / tape must be relieved by cutting and resealed.

In the IECC (2015) the United States are divided into 8 different climate zones. Accordingly, different zone-related requirements are to be considered with regard to the building envelope. For information about the US climate zones, please refer to the International Energy Conservation Code. Consult your planner or building scientist to check whether your planned construction will meet the requirements of the respective climate zone.

Guidelines: These Guidelines can become invalid if new knowledge is acquired or new developments are made. The current version is available at https://americas.siga.swiss/downloads. SIGA assumes no liability for the accuracy, completeness or appropriateness of the drawings included in these Guidelines for a specific installation or purpose. Confirm project specific conditions with a local licensed design professional in order to assure compliance with all legal requirements. SIGA is not licensed to provide professional engineering or architectural services.

10-Year Limited Warranty: For complete warranty details, consult your local Application Advisor or find the SIGA Limited Warranty Document (available at https://americas.siga.swiss/downloads).

Technical details:

Adhesive: SIGA high-performance adhesives are free of solvents, VOC, high boilers, plasticisers, chlorine and formaldehyde. They cannot be removed after application.

Installation Temperature: From -10 °C / 14 °F
Service Temperature Resistance (tapes): -40 °C to +100 °C / -40 °F to 212 °F
Service Temperature Resistance (membranes): -40 °C to +80 °C / -40 °F to 176 °F

Ageing resistance: Durable adhesive power; made without rubber, resins or solvents to pre vent embrittlement.

Storage: Store cool and dry in original package. Store Dockskin in a cool, dry and frost-protected place in original container. Store Majvest 500 SA in a cool, dry and UV-protected place.
Developed and produced by: © SIGA

Majvest® 500 SA

Self-Adhered Vapor Permeable Water-Resistive Barrier and Air Barrier Membrane

microporous PP sheet with full-coverage adhesive on reverse
Thickness: 28 mils • Installed Weight per unit area: 0.84 oz/sq ft
UV stable: 6 months (IECC zones 3-8) • Fire behavior: Class A (ASTM E-84) • 13 US perms (ASTM E96 Method A)

- ✓ **high adhesive strength at high and low temperatures**
  sticks in all seasons, long-term building value
- ✓ **no primer required**
  fast and clean application, saves time
- ✓ **tear-resistant release liner with a 50/50 split**
  easy to remove, saves time

Product specifications

	Majvest® SA 500 60"	Majvest® SA 500 18"
ARTICLE NO.	8920-152030	8920-046030
PALLET	20 rolls	30 rolls
WIDTH	1.52 m / 60"	0.45 m / 18"
LENGTH	30.5 m / 100'	30.5 m / 100'
WEIGHT/ROLL	16.7 kg / 36.8 lbs	5.0 kg / 11.0 lbs

Wigluv® 60

Elastic, semi-permeable tape for penetrations and airsealing details

Semi-permeable special PO film (> 1.7 US perms) • hand-tearable elastic, impermeable to water • UV stable: 12 months • The bond must not be under standing water.
Europ. Patent 1847577

- ✓ **high adhesive strength at high and low temperatures**
  reliable, no building damage
- ✓ **vapor semi-permeable > 1.7 US perms**
  prevents condensation build-up
- ✓ **driving rain-proof and impermeable to water**
  permanent protection for roof and facade

Product specifications

	Wigluv® 60
ARTICLE NO.	7510-6040
BOX	10 rolls
WIDTH	60 mm / 2.4"
LENGTH	40 m / 131'

Wigluv® 100/150/230

Low-profile, semi-permeable flashing tape for window and door installation

- ✓ **high adhesive strength at high and low temperatures**
  reliable, long-term building value
- ✓ **vapor semi-permeable > 1.7 US perms**
  prevents condensation build-up
- ✓ **split backing strip**
  simple and quick to apply

Semi-permeable special PO film (> 1.7 US perms) • hand-tearable elastic, impermeable to water • 13 US perms (ASTM E96 Method A) The bond must not be under standing water.
Europ. Patent 1847577

Product specifications

	Wigluv® 100	Wigluv® 150	Wigluv® 230
ARTICLE NO.	7510-6040	7510-15025	7510-23025
BOX	6rolls	6rolls	6rolls
WIDTH	100 mm / 3.9"	150 mm / 5.9"	230 mm / 9.06"
LENGTH	25 m / 82 '	25 m / 82 '	25 m / 82 '

Fentrim® IS 20

Airtight high-performance tape for window and door frames, for indoor application

- ✓ **high adhesive strength at high and low temperatures**
  reliable, long-term building value
- ✓ **15 mm pre-folded, without backing strip**
  fastest bonding to window frames
- ✓ **bonding from -10°C / 14°F**
  fast and tight window installation all year-round

semi-impermeable special PO film (0.17 US perms), fleece-backed, formable, impermeable to water, UV-stable (atmospheric exposure 3 months), avoid permanent exposure to ponding water. Europ. Patent: 1339924 US Patent No. 7.445.828 B2

Product specifications

	Fentrim® IS 20	Fentrim® IS 20
ARTICLE NO.	9611-156025	9611-158525
BOX	8 rolls	6 rolls
WIDTH	75 m / 2.9 "	100 m / 3.9 "
LENGTH	25 m / 82 '	25 m / 82 '

Dockskin®

High-performance primer for strengthening sandy and fibrous substrates

- ✓ **quick drying**
  saves time
- ✓ **strong penetration**
  extremely good adhesion on soft fibre boards, masonry and concrete
- ✓ **usable on cold substrates from -10° C/14° C**
  solvent-free

Water-based, solvent-free acrylate-copolymer dispersion • Shelf life: 18 months from the date of sale if unopened • Clean the brush immediately with water • Keep out of reach of children!

Product specifications

	Dockskin®
ARTICLE NO.	5930
BOX	8 bottles
WEIGHT / BOTTLE	1kg / 2.2lbs
COVERAGE RATE (AREA)	5 m² / bottle 54 sq ft / bottle

Squeegee

Durable felt-covered cork pressure-application device

- ✓ **hardwood handle**
  withstands jobsite abuse
- ✓ **lanyard hole**
  for easy stowing
- ✓ **4mm felted surface**
  will not abrade membrane

	Squeegee
ARTICLE NO.	SKU-5012
BOX	1 squeegee
WIDTH	305 mm / 12"

SIGA 1966

Stick with us.

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KM10027 SKU-2046en
January 2018 edition