

Siplast® WALLcontrol™ Reinforced Aluminum AWB System

Submittal Packet

09-2024 Version



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With you every step of the way

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WALLcontrol™

Air, Water and Thermal Solutions for Every Need

Siplast® WALLcontrol™ Systems provide high-performance air, water, and thermal management solutions for vertical walls on commercial buildings and enable complex transitions from roofing and waterproofing systems. Continuity of these systems is critical to achieving durable designs, energy-efficient performance, and enabling occupant comfort as part of holistic design solutions.

AIR & WATER BARRIER MEMBRANES



WALLcontrol MODIFIED SILICONE (STPE) VP LIQUID AWB

A vapor permeable, liquid-applied, single-component, silyl-terminated polyether (STPE) moisture-cure air and water-resistive barrier for commercial wall systems.



WALLcontrol MONOLITH™ VP ADHERED AWB

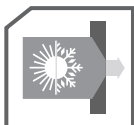
A self-adhesive, high-temperature stable, low-temperature application, UV resistant, vapor permeable, primerless air and water resistive membrane for commercial applications.



WALLcontrol REINFORCED ALUMINUM BUTYL-ADHERED AWB

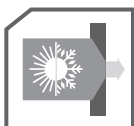
A self-adhesive, high-temperature stable, low-temperature application, UV resistant, non-vapor permeable, primerless air and water-resistive membrane for commercial wall systems.

WALL INSULATION



WALLcontrol POLYISO FOIL-FACED INSULATION

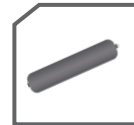
A high-performance rigid wall insulation, combining high R-value, Class A foam core, a reflective reinforced foil facer on one side and a white reinforced acrylic-coated aluminum facer on the other side.



WALLcontrol POLYISO GLASS-FACED INSULATION

A high-performance rigid wall insulation combining high R-value, Class A foam core, and durable coated glass facers. One side of the product is dark gray for open joint rainscreen applications.

AIR & WATER BARRIER ACCESSORIES



WALLcontrol MODIFIED SILICONE (STPE) VP LIQUID FLASHING

A liquid-applied, single-component, silyl-terminated polyether (STPE) moisture cure air barrier accessory for rough openings and joints for commercial wall systems.



WALLcontrol STAINLESS STEEL BUTYL-ADHERED FLASHING

A hand formable and trimmable flashing (with standard tools) that provides robust puncture, tear, UV resistance, and is compatible with many substrates and adjoining building enclosure materials.



WALLcontrol REINFORCED ALUMINUM BUTYL-ADHERED FLASHING

A self-adhesive, high-temperature stable, low-temperature application, UV resistant, non-vapor permeable, primerless, rough opening and detail flashing for commercial wall systems.



PS-715 NS ELASTOMERIC SEALANT

A moisture-curing, non-slump sealant designed for applications where dynamic joint movement, adhering dissimilar materials, and excellent low temperature durability are required.



PRO PRIMER AC

A single component, water-based, acrylic latex, general purpose primer used as a bleed-blocker, adhesion promoter and corrosion inhibitor.

WALLcontrol™

**Air, Water and Thermal
Solutions for Every Need**

			Air & Water Barrier Membranes			Air & Water Barrier Accessories			Wall Insulation	
			WALLcontrol Modified Silicone (STPE) VP Liquid AWB	WALLcontrol Monolith VP Adhered AWB	WALLcontrol Reinforced Aluminum Butyl-Adhered AWB	WALLcontrol Modified Silicone (STPE) VP Liquid Flashing	WALLcontrol Stainless Steel Butyl-Adhered Flashing	WALLcontrol Reinforced Aluminum Butyl-Adhered Flashing	WALLcontrol Polyiso Foil-Faced Insulation	WALLcontrol Polyiso Glass-Faced Insulation
Air Control	Materials & Assemblies	Air barrier per ASTM E2178 and ASTM E2357, meets CAN/ULC S741 and S742	X	X	X	X	X	X	X*	
	ABAA Evaluated	Product is part of an ABAA evaluated system	X	X	X	X	X	X		
Water Control	Materials & Assemblies	Water-resistive barrier ICC ES Acceptance Criteria AC38 or AC212	X	X	X	X	X	X		
	Flashings & Penetrations	AAMA 711 or AAMA 714 application performance		X	X	X	X	X		
Vapor Control	Vapor Permeable	Greater than 5 US perms per ASTM E96, method A	X	X		X				
	Vapor Impermeable	Less than 1 US perm per ASTM E96, method A			X		X	X	X	X**
Thermal Control	High R-Value	Greater than R-6 per inch by ASTM C518							X	X
	Low Water Absorption	Water absorption <1% by volume per ASTM C209							X	X
Fire Control	NFPA 285	Product is part of a compliance system and/or meets 2015 IBC 1403.5 exception #2 criteria	X	X	X	X	X	X	X	X
	Class A Rated	ASTM E84 Class A fire rating; flame-spread of 0-25 and smoke developed between 0-450	X	X	X	X	X	X	X	X
Control Features	Low Temp Install	Primerless performance at 20°F (-7°C) and rising	X	X	X	X	X	X	X	X
	High Temp Performance	Stable and adhesion performance up to 240°F (115°C)	X	X	X	X	X	X	X	X
	UV Resistant	6 months or greater approved exposure during construction process	X	X	X	X	X	X	X	X
	Low VOC	Liquid material less than 50g/L VOC, adhered without VOC requirements, or Greenguard Gold	X	X	X	X	X	X	X	X
	Primerless Application	3rd Party testing and approvals passes without primer application	X	X	X	X	X	X		
	Compatible	Compatible across the product line and common adjoining roofing and waterproofing systems	X	X	X	X	X	X	X	X

Consult updated Commercial Product Data Sheets for more details and the most recent information.

*Meets IECC and ASHRAE 90.1 prescriptive criteria as an air barrier material

**1" thick board is 1.2 perms; thicker boards are < 1 perm



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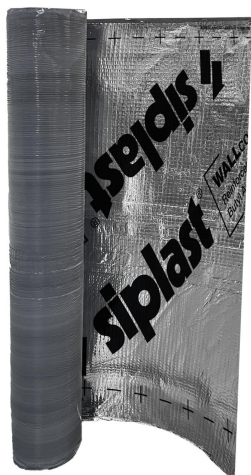
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USES:
AIR BARRIER MEMBRANE
WATER-RESISTIVE BARRIER
NON-VAPOR PERMEABLE

Certifications & Evaluations



Composition

Aluminum topsheet
 Reinforcement film and grid
 Butyl adhesive
 Siliconized release liner

Product Dimensions

Thickness: 40 mils (1 mm)
 Roll Length: 40 ft (12.2 m)
 Roll Width: 39 in (1 m)
 Roll Area: 130 sq-ft (12 sq-m)
 Roll Weight: 25 lbs

Energy Efficiency & Sustainability

As part of a designed building enclosure system, this product can contribute towards LEED "Optimize Energy Performance" and IEQ "Low Emitting Materials."

WALLcontrol™ REINFORCED ALUMINUM BUTYL ADHERED AWB

Commercial Product Data Sheet

Siplast® WALLcontrol™ Reinforced Aluminum Butyl Adhered AWB (Air & Water-resistive Barrier) is a 40-mil self-adhesive air barrier membrane with a high-temperature stable and low-temperature application butyl adhesive with a split siliconized release liner. The membrane is flexible, UV resistant, and primerless designed as a non-vapor permeable, air barrier membrane, and water-resistive barrier for commercial wall systems.

PRODUCT INFORMATION

Application and Features

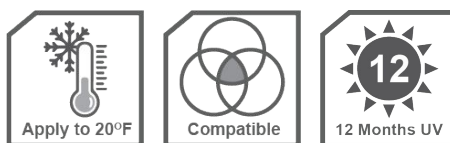
Refer to the Siplast Installation Guide for detailed application information of Siplast WALLcontrol Reinforced Aluminum Butyl Adhered AWB.



Control Category



Features



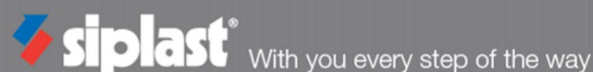
Storage, Handling, and Packaging

WALLcontrol Reinforced Aluminum AWB products should be stored between 40°F - 90°F (4.4°C - 32.2°C) on a clean, flat surface in dry conditions out of direct exposure to the elements. Pallets should not be double stacked. Material should be handled so that it remains dry prior to and during installation. Use appropriate safety equipment and job-site controls during application and handling. Dispose of unused product and containers in accordance with local, state and federal regulations.

Rolls Per Pallet: 49

WALLcontrol™ REINFORCED ALUMINUM BUTYL ADHERED AWB

Physical and Mechanical Properties



Property (as Manufactured)		Test Method	Min. Value	Typical Values
AIR CONTROL	Material Air Permeance	ASTM E2178 CAN/ULC S741	< 0.004 cfm/sf	0.0002 cfm/sf
	Assembly Air Permeance	ASTM E2357 CAN/ULC S742	< 0.040 cfm/sf	0.002 cfm/sf Class A1
	ABAA Evaluation	ABAA S0008	Pass	Pass
WATER CONTROL	Water-Resistive Barrier Acceptance Criteria	ICC ES AC 38	Pass	Pass
	Material Water Penetration Resistance	AATCC 127	No Leakage	55 cm for 5 hrs
	Water Penetration Resistance at Fasteners	AAMA 711 Section 5.2	No Leakage	Pass
VAPOR CONTROL	Water Vapor Permeability	ASTM E96/E96M	Vapor Class Method A / B	Class I 0.07 / 0.05 US Perms
FIRE CONTROL	Surface Burning Characteristics	ASTM E84	Pass	Class A 5 Flame Spread 125 Smoke Developed
	Cone Calorimeter at Incident Radiant Heat Flux of 50 kW/m2 per 2015 IBC and newer WRB exception criteria for NFPA 285	ASTM E1354: Peak Heat Release Total Heat Release Effective Heat of Combustion	<150 kW/m2 <20 MJ/m2 <18 MJ/kg	Pass, <11 kW/m2 Pass, <3 MJ/m2 Pass, <1 MJ/kg
	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
PHYSICAL PROPERTIES	Peel Adhesive Strength to Substrates	ASTM D3330	≥1.5 pli	7.0 pli Plywood 6.0 pli Aluminum 3.0 pli OSB
	Pull Adhesive Strength to Substrates	ASTM D4541	≥16 psi	31 psi Exterior gypsum 30 psi Plywood 27 psi CMU
	Accelerated UV Aging	AAMA 711 Section 5.4 - 7 days	≥1.5 pli	3.2 pli
	Elevated Temperature Exposure	AAMA 711 Section 5.5 - 7 days @ 176°F(80°C) -Level 3	≥1.5 pli	8.5 pli
		Modified AAMA 711 Section 5.5 7 days @ 240°F(115°C)	≥1.5 pli	Pass
	Thermal Cycling	AAMA 711 Section 5.6 - 10 days	≥1.5 pli	7.6 pli
	Gap Bridging Ability	ABAA T0004	No visible cracking	Class 1, Type B (-15 F)
	Water Immersion	AAMA 711 Section 5.8	≥1.5 pli	7.8 pli Aluminum

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.

WARRANTY INFORMATION

Siplast WALLcontrol products are backed by a limited product warranty. Visit siplast.com to see current published sample warranties, contact your local Siplast Representative, or call toll-free at (800) 922-8800 for more information.

WALLcontrol™ MODIFIED SILICONE (STPE) VP LIQUID FLASHING

Commercial Product Data Sheet



USES:
WINDOW & DOOR FLASHING
SUBSTRATE JOINT TREATMENT
WALL TRANSITIONS & PENETRATIONS FLASHING

Certifications & Evaluations



Composition	Single-component, silyl-terminated polyether (STPE)
Packaging	20 oz sausage packs (12 count) 3 oz tipped sausages (24 count)
Coverage Rate*	Troweled at 60 mils thickness: 2 inch wide, 24 ft long 6 in wide, 8 ft long 8 in wide, 6 ft long Sealant dimensions: ¼ in x ¼ in joint, 48 ft long ¼ in x ½ in joint, 24 ft long ½ in x ½ in joint, 12 ft long

*Per 20 oz sausage pack. Estimates only. Actual coverage depends on substrate conditions (temperature and moisture), substrate porosity, and uniformity of application.

Energy Efficiency & Sustainability

As part of a designed building enclosure system, this product can contribute towards LEED "Optimize Energy Performance" and IEQ "Low Emitting Materials."

PRODUCT INFORMATION

Application and Features

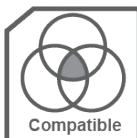
Refer to the Siplast Installation Guide for detailed application information of Siplast WALLcontrol Modified Silicone (STPE) VP Liquid Flashing.



Control Category



Features



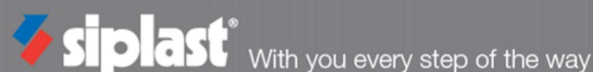
Storage, Handling, and Packaging

Siplast WALLcontrol Modified Silicone (STPE) VP Liquid products should be stored in a clean, dry environment, 40°F to 90°F (5°C to 32°C). The shelf life is 12 months for an unopened container from the date of manufacture. Store opened containers with a plastic protective liner to slow cure rate. Do not double stack pallets. Dispose of unused product and containers in accordance with local, state and federal regulations.

Boxes per Pallet:
3 oz tipped sausages : 96
20 oz sausage packs: 72

WALLcontrol™ MODIFIED SILICONE (STPE) LIQUID FLASHING

Physical and Mechanical Properties



Property (as Manufactured)		Test Method	Min. Value	Typical Values
AIR CONTROL	Assembly Air Permeance (component)	ASTM E2357 CAN/ULC S742	< 0.004 cfm/sf	Pass Class A1
WATER CONTROL	Assembly Water Resistance	ASTM E331	No Leakage	Pass
	Water Penetration Resistance at Fasteners	AAMA 714 Section 5.2	No leakage	Pass
VAPOR CONTROL	Water Vapor Permeability at 40 mils	ASTM E96/E96M	Method A / B	9 / 20 US Perms
	Water Vapor Permeability at 60 mils	ASTM E96/E96M	Method A / B	6 / 13 US Perms
FIRE CONTROL	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
PHYSICAL PROPERTIES	Skin over time (50% R.H. @70°F)	-	-	30-60 min.
	Adhesive Strength to Substates	ASTM C794	≥5 pli	27 pli Mortar 29 pli Plywood 25 pli CMU
	Ultraviolet (UV) Light Exposure	AAMA 714 Section 5.3	≥5 pli	18 pli Mortar
	Elevated Temperature 176°F (80°C)	AAMA 714 Section 5.4 - 7 days	≥5 pli	16 pli Mortar
	Thermal Cycling	AAMA 714 Section 5.5 - 10 days	≥5 pli	21 pli Mortar
	Dynamic Movement Capability	ASTM C719	-	+/- 35%
	Low Temperature Crack Bridging Ability	ASTM C1305	No visible cracking	Pass @ 20 mils
	Water Immersion	AAMA 714 Section 5.7	≥5 pli	21 pli Aluminum

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WARRANTY INFORMATION

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WALLcontrol™ REINFORCED ALUMINUM BUTYL ADHERED FLASHING

Commercial Product Data Sheet

Siplast® WALLcontrol™ Reinforced Aluminum Butyl Adhered Flashing is a 40-mil self-adhesive air barrier accessory with a high-temperature stable and low-temperature application butyl adhesive with a siliconized release liner. The membrane is a flexible, hand formable, UV resistant, primerless application. Designed for use at window and door rough openings, substrate seams and cracks, and around wall penetrations. It is highly compatible with many substrates and for commercial wall systems.

USES:
WINDOW & DOOR FLASHING
SUBSTRATE JOINT TREATMENT
WALL TRANSITIONS & PENETRATIONS FLASHING

Certifications & Evaluations



Composition

Aluminum topsheet
Reinforcement film and grid
Butyl adhesive
Siliconized release liner

Product Dimensions

Thickness: 40 mils (1 mm)
Roll Length: 50 ft (12.2 m)
Roll Widths:
4 in (100 mm)
6 in (150 mm)
9 in (230 mm)
12 in (300 mm)
18 in (457 mm)

Packaging

Box Size
13 in x 13 in x 13 in

4 in roll	12 rolls/box
6 in roll	8 rolls/box
9 in roll	4 rolls/box
12 in roll	4 rolls/box
18 in roll	2 rolls/box*

*Box size for 18 inch rolls is 6 in x 6 in x 40 in

Energy Efficiency & Sustainability

As part of a designed building enclosure system, this product can contribute towards LEED "Optimize Energy Performance" and IEQ "Low Emitting Materials."

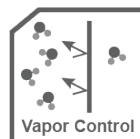
PRODUCT INFORMATION

Application and Features

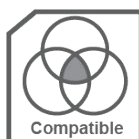
Refer to the Siplast Installation Guide for detailed application information of Siplast WALLcontrol Reinforced Aluminum Butyl Adhered Flashing.



Control Category



Features



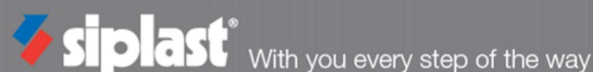
Storage, Handling, and Packaging

WALLcontrol Reinforced Aluminum AWB products should be stored between 40°F - 90°F (4.4°C -32.2°C) on a clean, flat surface in dry conditions out of direct exposure to the elements. Pallets should not be double stacked. Material should be handled so that it remains dry prior to and during installation. Use appropriate safety equipment and job-site controls during application and handling. Dispose of unused product and containers in accordance with local, state and federal regulations.

Flashing boxes per pallet: 36

WALLcontrol™ REINFORCED ALUMINUM BUTYL ADHERED FLASHING

Physical and Mechanical Properties



Property (as Manufactured)		Test Method	Min. Value	Typical Values
AIR CONTROL	Material Air Permeance	ASTM E2178 CAN/ULC S741	< 0.004 cfm/sf	0.0002 cfm/sf
	Assembly Air Permeance	ASTM E2357 CAN/ULC S742	< 0.040 cfm/sf	0.002 cfm/sf Class A1
	ABAA Evaluation	ABAA S0008	Pass	Pass
WATER CONTROL	Water-Resistive Barrier Acceptance Criteria	ICC ES AC 38	Pass	Pass
	Material Water Penetration Resistance	AATCC 127	No Leakage	55 cm for 5 hrs
	Water Penetration Resistance at Fasteners	AAMA 711 Section 5.2	No Leakage	Pass
VAPOR CONTROL	Water Vapor Permeability	ASTM E96/E96M	Vapor Class Method A / B	Class I 0.07 / 0.05 US Perms
FIRE CONTROL	Surface Burning Characteristics	ASTM E84	Pass	Class A 5 Flame Spread 125 Smoke Developed
	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
PHYSICAL PROPERTIES	Peel Adhesive Strength to Substrates	ASTM D3330	≥1.5 pli	7.0 pli Plywood 6.0 pli Aluminum 3.0 pli OSB
	Pull Adhesive Strength to Substrates	ASTM D4541	≥16 psi	31 psi Exterior gypsum 30 psi Plywood 27 psi CMU
	Accelerated UV Aging	AAMA 711 Section 5.4 - 7 days	≥1.5 pli	3.2 pli
	Elevated Temperature Exposure	AAMA 711 Section 5.5 - 7 days @ 176°F(80°C) -Level 3	≥1.5 pli	8.5 pli
		Modified AAMA 711 Section 5.5 7 days @ 240°F(115°C)	≥1.5 pli	Pass
	Thermal Cycling	AAMA 711 Section 5.6 - 10 days	≥1.5 pli	7.6 pli
	Gap Bridging Ability	ABAA T0004	No visible cracking	Class 1, Type B (-15 F)
	Water Immersion	AAMA 711 Section 5.8	≥1.5 pli	7.8 pli Aluminum

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.

WARRANTY INFORMATION

Siplast WALLcontrol products are backed by a limited product warranty. Visit siplast.com to see current published sample warranties, contact your local Siplast Representative, or call toll-free at (800) 922-8800 for more information.



WALLcontrol™ STAINLESS STEEL BUTYL ADHERED FLASHING

Commercial Product Data Sheet

Siplast® WALLcontrol™ Stainless Flashing is a multi-purpose self-adhering flashing with a high temperature butyl adhesive with a siliconized release liner. It is comprised of a durable 304 stainless steel face that is flexible, hand formable, and trimmable with standard tools while providing robust puncture, tear, and UV resistance. The butyl adhesive is highly compatible with many substrates and allows for adhesion of adjoining building enclosure materials. Contact Siplast for information on approved product uses.

USES:
WINDOW & DOOR FLASHING
SUBSTRATE JOINT TREATMENT
WALL TRANSITIONS & PENETRATIONS FLASHING

Certifications & Evaluations



Composition	2-mil flexible 304 stainless steel 4-mil polypropylene interlayer 10 mils of butyl adhesive Siliconized release liner
Roll Length	50 ft (12.2 m)
Roll Widths	6 in (150 mm) 9 in (230 mm) 12 in (300 mm) 18 in (450 mm) 24 in (610 mm) 36 in (910 mm)

Energy Efficiency & Sustainability

As part of a designed building enclosure system, this product can contribute towards LEED "Optimize Energy Performance" and IEQ "Low Emitting Materials."

LEED Data

Post Industrial Recycled Content of Stainless Steel	60%
Post Consumer Recycled Content of Stainless Steel	0%
TOTAL Recycled Content of Stainless Steel	60%

Butyl adhesive and release liner have no recycled content.

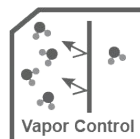
PRODUCT INFORMATION

Application and Features

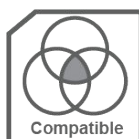
Refer to the Siplast Installation Guide for detailed application information on Siplast WALLcontrol Stainless Steel Butyl Adhered Flashing.



Control Category



Features



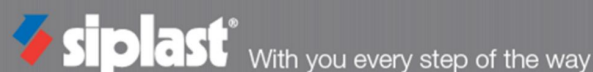
Storage, Handling, and Packaging

Siplast WALLcontrol Stainless Flashing products should be stored between 40°F - 90°F (4.4°C - 32.2°C) on a clean, flat surface in dry conditions out of direct exposure to the elements. Pallets should not be double stacked. Material should be handled so that it remains dry prior to and during installation. Use appropriate safety equipment and job-site controls during application and handling, wearing cut-resistant gloves while handling is recommended for protection from sharp edges.

Rolls Per Pallet: 30 to 180, depending on roll sizes

WALLcontrol™ STAINLESS FLASHING

Physical and Mechanical Properties



Property (as Manufactured)		Test Method	Min. Value	Typical Values
AIR CONTROL	Material Air Permeance	ASTM E2178	< 0.004 cfm/sf	Pass
VAPOR CONTROL	Water Vapor Permeability	ASTM E96	N/A	Class 1: <0.1 US Perms
FIRE CONTROL	Surface Burning Characteristics	ASTM E84	N/A	Class A
PHYSICAL PROPERTIES	Peel Adhesive Strength to Substrates	ASTM D3330 Method F	≥1.5 lbf/in	5.1 lbf/in Plywood 9.0 lbf/in Aluminum 3.5 lbf/in OSB 8.5 lbf/in Vinyl 6.7 lbf/in Product Surface
	Peel Adhesive Strength After Conditioning	ASTM D3330 Method F	≥1.5 lbf/in	12.7 lbf/in Accelerated Aging 16.4 lbf/in High Temperature 10.9 lbf/in Thermal Cycling 7.6 lbf/in Water Immersion
	Fastener Sealability (As Received / After Thermal cycling)	AAMA 711 Section 5.2.1	Pass / Pass	Pass / Pass
	Puncture Resistance	ASTM E154	N/A	2,500 psi
	Tensile Strength (MD psi / CMD psi)	ASTM D412	≥143 psi	> 9,100 psi / >7,000 psi
	Mold Resistance	ASTM D3273	Pass	Pass
	Wall Flashing per 2018 International Building Code (IBC), Section 1404.4	AAMA 711-20	Pass	Pass Type A (primer-less) Level 3 (176°F exposure)
	Cold Temperature Pliability	ASTM C765	Pass	Pass (20°F)
	High Temperature Stability (Topsheet + Butyl Adhesive)	ASTM D1970 Section 7.5	158°F	240°F
	Peel Adhesion After Immersion	ASTM C765	Pass	Pass

Data is based upon typical product performance and is subject to normal manufacturing and packaging tolerance and variation.

WARRANTY INFORMATION

Siplast WALLcontrol products are backed by a limited product warranty. Visit siplast.com to see current published sample warranties, contact your local Siplast Representative, or call toll-free at (800) 922-8800 for more information.



PS-715 NS ELASTOMERIC SEALANT

Commercial Product Data Sheet

PS-715 NS Elastomeric Sealant is a moisture-curing, non-slump sealant designed for roofing applications where dynamic joint movement, adhering dissimilar materials, and excellent low temperature durability are required. PS-715 NS will not damage expanded polystyrene or other solvent-sensitive construction materials.

Contact Siplast for information on approved product uses.

USES: SEALANT

PRODUCT INFORMATION

Application

Refer to the applicable Siplast Technical Guide for detailed application information.



Storage and Handling

All Siplast sealant products should be stored on a clean, flat surface. Care should be taken that cartridges are not crushed or punctured. All roofing products should be stored in a dry, cool place out of direct exposure to the elements. Material should be handled so that it remains dry prior to and during installation. Storage under high-temperature/humidity conditions will significantly reduce the shelf life.

See product packaging and the Safety Data Sheet for specific information on the safe handling of this product.

Packaging

Primary Packaging: Cartridges
Pallet: 45 in x 48 in (114 cm x 122 cm) wooden pallet
Cartridges Per Carton: 12
Cartons Per Pallet: 40
Weight Per Carton: 40 lb (18.1 kg)

Standards	Canadian Spec CAN 19, 13-M82																
Color	Limestone Gray																
Shelf Life	1 year																
VOC Content	<15 g/L																
Service Temp. Range	40°F – 200°F (4°C – 93°C)																
Coverage	Linear Feet per 28 oz Cartridge <table><tr><td></td><td>1/8"</td><td>1/4"</td><td>3/8"</td></tr><tr><td>Depth 1/8"</td><td>288</td><td>145</td><td>95</td></tr><tr><td>1/4"</td><td></td><td>71</td><td>58</td></tr><tr><td>3/8"</td><td></td><td></td><td>32</td></tr></table>		1/8"	1/4"	3/8"	Depth 1/8"	288	145	95	1/4"		71	58	3/8"			32
	1/8"	1/4"	3/8"														
Depth 1/8"	288	145	95														
1/4"		71	58														
3/8"			32														

PRO PRIMER AC



Commercial Product Data Sheet

Product Description

Pro Primer AC is a single component, water-based, acrylic latex, general purpose primer used as a bleed-blocker, adhesion promoter and corrosion inhibitor prior to application of Paraflex Liquid Membrane and Paraflex 531 Liquid Flashing and Paraflex Metal Roof Coating Systems.

Product Use

Pro Primer AC is used as a bleed-blocker over bituminous substrates and is also effective as a tannin bleed-blocker when applied over wood/plywood. Pro Primer AC also enhances adhesion to steel, galvanized steel, Galvalume®-coated steel, aluminum, wood/plywood, concrete masonry, brick, CMU and previously painted surfaces. Pro Primer AC can be applied by roller, brush, or spray.

Application Conditions

Pro Primer AC can be applied when the ambient and substrate temperature is within the range noted below. Discontinue primer application when the ambient or substrate temperature is outside of the specified range or if conditions will not allow for complete cure before rain, dew or freezing temperatures occur. Do not apply Pro Primer AC if ambient or substrate temperatures are below 50°F (10°C), if there is a possibility that ambient temperatures may fall to 32°F (0° C) within 2 hours of application, if the substrate is within 5°F of the dew point or if the relative humidity is above 90%. Cool temperatures and high humidity will slow the drying process.

Dry Time to Touch: 20-30 minutes @ 75°F (24°C)/50% RH (ASTM D1640)

Cure Time for Application of Subsequent Coats of Primer: Typically 1-hour (depending on ambient conditions)

Maximum Exposure Time before Application of Liquid Membrane: 48 hours

Provide adequate shade over the substrate area both prior to and during application as necessary to maintain substrate surface temperatures below 105° F (40° C).

When work is interrupted or completed, clean tools using water and Pro Prep CC before the liquid hardens.

Personal Protection Equipment (PPE)

Workers must wear a long sleeved shirt with long pants and work boots. Workers must use only butyl rubber or nitrile gloves when mixing or applying this product. Safety goggles are required for eye protection.

COMMERCIAL PRODUCT INFORMATION

Unit: 5-gallon pail (18.9 liters)

Pro Primer AC is formulated in a bone white color.

Properties:

Solids by Weight: 46% (±1%) [ASTM D2369]

Solids by Volume: 36.2% (±1%) [ASTM D2697]

Weight per Gallon: 10.4. lb (4.6 kg) (±2%) [ASTM D1475]

VOC Content: <100 g/L

Application/Coverage Rates

(Typical Minimum Values)

Smooth Asphaltic Substrates: 0.6 gal/sq (0.24 l/m²)

Granule-surfaced Asphaltic Substrates: 0.7 gal/sq (0.29 l/m²)

Galvanized Steel/Aluminum: 0.3 gal/sq (0.12 l/m²)

Steel: 0.5 gal/sq (0.21 l/m²)

Wood/Plywood: 0.4 gal/sq (0.17 l/m²)

See applicable Siplast Installer's Guides for specific applications. Application/coverage rates may vary depending upon the specific substrate and the texture/porosity of the substrate.

Shelf Life: 18 months (if stored at 40°F (4°C) to 90°F (32°C))

Number of 5-gallon pails per pallet: 36

Number of pallets per truck: 20

Gross weight per pail: 61 lb (27.7 kg)

Pallet size:

5-gallon pails 48 in X 42 in X 49 in
(122 cm X 107 cm X 124 cm)

Shipping Classification: Not regulated as a dangerous material.

Storage and Handling

Pallets of Pro Primer AC should be stored upright on a clean, flat surface at temperatures between 40°F (4°C) and 90°F (32°C). Avoid storage in direct sunlight. Do not allow containers of Pro Primer AC to freeze under any circumstances.

Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in the application area.

Consult the Safety Data Sheet (SDS) for additional information on storage and handling of this product.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at www.Siplast.com.

Rev 6/2018



Safety Data Sheet

WALLcontrol Reinforced Aluminum Butyl Adhered AWB + Flashing

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Supplier: Siplast
Address: 14911 Quorum Dr., Ste. 600
Dallas, TX 75254

1-800-922-8800
CHEMTREC
Toll Free: 800-424-9300 (Domestic – N. America)
After Hours: 703-527-3887 (International)

Chemical Family: 12-micron Aluminum layer laminated to a PP reinforced grid and one layer of blown film of LDPE with butyl rubber adhesive
Self-adhered waterproof membrane for use in steep slope roofing
Product Use: OSHA Hazard Communication Standard (29 CFR 1910.1200) requirements for Material Safety Data Sheets do not apply to this product. This product is excluded as an article. Information on potential hazards associated with product fabrication and/or installation are discussed in this datasheet.
Other Information:

SECTION 2. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: This product has no known adverse effect on human health. Components in this product do not present a respiration hazard/contact hazard unless the product is ground to a powder of respirable size and the dust is inhaled. All dusts are potentially injurious to the respiratory tract if respirable particles are generated and inhaled. No hazardous ingredients by OSHA and WHMIS criteria.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Ingredient	Conc. (%)	CAS No.
Synthetic Butyl compounds	70-90	Proprietary
Polypropylene	5-15	9003-07-0
Polyethylene	0-5	9002-88-4
Aluminum	0-10	7429-90-5

The exact percentage composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

General advice: No hazards which require special first aid measures

Safety Data Sheet

SECTION 5. FIRE-FIGHTING MEASURES

Flammable Properties

Flash point: Not applicable
Thermal decomposition: > 200 °C (> 392 °F)

Fire and Explosion Hazard: Burning is accompanied by melting and dripping which may cause the fire to spread. Hazardous combustion products Carbon monoxide (CO) Carbon dioxide (CO₂).

Firefighting Instructions: Wear self-contained breathing apparatus and protective suit. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, dry chemical, carbon dioxide or foam.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Note: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Cleanup Not applicable

SECTION 7. HANDLING AND STORAGE

Handling Procedures: When handling uncontained material, use personal protective equipment as described in Section 8 of this SDS.

Storage Procedures: Store material in accordance with instructions on the product packaging, if any. Material should be kept clean, dry, and in original packaging. Keep this product away from heat, sparks, ignition sources, and open flames in accordance with applicable laws and regulations.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Primary Route of Exposure: Skin Contact
Exposure Effects: None Known
Spill Procedure: N/A
Disposal Procedure: Follow federal, provincial/state and municipal regulations for waste disposal.
Gloves: Recommend wearing protective gloves when handling these products.
Eye Protection: Use safety glasses when needed.

Safety Data Sheet

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A
Specific Gravity:	N/A
Vapor Pressure:	N/A
Evaporation Rate:	N/A
Solubility in Water:	Insoluble
Appearance:	Sheet Material
Odor:	Odorless
Melting Point:	>235° F

SECTION 10. STABILITY AND REACTIVITY

Hazardous decomposition: Carbon monoxide, Carbon dioxide products

SECTION 11. TOXICOLOGICAL INFORMATION

Further information: This product has no known adverse effect on human health.

SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information: This product has no known eco-toxicological effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of waste material in accordance with Federal, State, and Local environmental regulations. Where possible recycling is preferred to disposal or incineration

SECTION 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

International Regulations: These products are not considered articles per international product regulations and as such, these products do not require registration or notification on the various country-specific inventories.



Safety Data Sheet

U.S. Federal Regulations:

TSCA: None
CERCLA: None

SARA None

Section 302: None of the product components are listed under this section
Section 311/312: None of the product components are listed under this section
Section 313: None of the product components are listed under this section

State Regulations:

California Proposition 65: This product does not contain substances known to the state of California to cause cancer, birth defects or other reproductive harm.

Chemical Inventory Status: All chemicals in this product are listed as exempt from listings in Canada and the United States of America.

SECTION 16. OTHER INFORMATION

Date of Preparation: November 30, 2022

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

WALLcontrol™

Adhered Products

Installer's Guide

03-2024 Version



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I. Siplast WALLcontrol Adhered Products System Overview

Siplast WALLcontrol System

Siplast WALLcontrol products provide high-performance solutions for vertical walls, helping to create a continuous air and water barrier for commercial buildings, and enabling complex transitions from roofing and waterproofing systems. Siplast WALLcontrol adhered products are adhered air and water-resistive barrier (AWB) and flashing membranes with a high-temperature stable and low-temperature application adhesive with a siliconized release liner. Siplast WALLcontrol adhered products are flexible, UV resistant, primerless membranes designed as an air barrier membrane and water-resistive barrier for commercial wall systems.

II. Products

Adhered AWB Membranes

- Siplast WALLcontrol Reinforced Aluminum Butyl Adhered AWB
- Siplast WALLcontrol™ Monolith VP Adhered AWB

Adhered Flashing Membranes

- Siplast WALLcontrol Reinforced Aluminum Butyl Adhered Flashing
- Siplast WALLcontrol Stainless Steel Butyl Adhered Flashing

Accessories (as needed)

- Siplast WALLcontrol Modified Silicone (STPE) VP Liquid Flashing
- Siplast PS-715 NS Elastomeric Sealant or a compatible approved sealant
- Siplast Pro Primer AC or a compatible approved primer
- Termination bar with sealant catch lip
- Fasteners with appropriate blocking, attachment type, structural capacity, and head configuration
- Stainless steel formed metal drip edges, welded corners, and welded end dams

III. Personal Protection

For professional use only. Refer to the applicable WALLcontrol adhered products Commercial Product Data Sheets (CPDS), Safety Data Sheets (SDS), project specifications, and application instructions. Use personal protective equipment as required. Always read the full label and product safety data sheet for precautionary instructions before use. Use appropriate safety equipment and job-site controls during application and handling.

IV. Storage and Handling

WALLcontrol adhered products should be stored on end between 40°F to 90°F (5°C to 32°C) on a clean, flat surface in dry conditions out of direct exposure to the elements. Pallets should not be double-stacked. Materials should be handled so that it remains dry prior to and during installation. Use appropriate safety equipment and job-site controls during application and handling. Do not store in a leaning or horizontal position as deformation may occur. Dispose of unused WALLcontrol adhered products in accordance with local, state and federal regulations. Consult local, provincial, territory or state authorities to know disposal methods.

V. Building and Energy Codes

References are made to the 2012/2015/2018/2021 International Building Code (IBC), the 2012/2015/2018/2021 International Energy Conservation Code (IECC), the ASHRAE 90.1 2010/2013/2016/2019 Standard. This information is provided for educational purposes only, and is not a substitute for independent review of applicable building and energy code requirements. Siplast makes no representation or warranty (express or implied) as to the accuracy of the information contained herein.

IBC Section 1402.2 or 1402.3 “Weather Protection”

This code section states that exterior walls shall be protected by:

- A water-resistive barrier (WRB) behind the exterior veneer.
- A WRB designed and constructed to prevent the accumulation of water within the wall assembly.
- A WRB designed and constructed with a means for draining water to the exterior which enters the assembly.
- Include flashing to meet the requirements of IBC Section 1404.4.

IBC Section 1404.4 Flashing

This code section states that flashing shall be installed to:

- Prevent moisture from entering the wall or to redirect that moisture to the surface of the exterior wall, wall finish, or to a water-resistive barrier.
- Be part of a means of drainage complying with the weather-resistant exterior wall envelope (complying with IBC “Weather Protection” Section).
- Be installed at the perimeters of exterior door and window assemblies, penetrations and terminations of exterior wall assemblies, exterior wall intersections with roofs, chimneys, porches, decks, balconies and similar projections, and at built-in gutters and similar locations where moisture could enter the wall.
- Flashing with projecting flanges shall be installed on both sides and the ends of copings, under sills and continuously above projecting trim.
- Where self-adhered membranes are used as flashings of fenestration in wall assemblies, those self-adhered flashings shall comply with AAMA 711.
- Where liquid-applied membranes are used as flashings of fenestration in wall assemblies, those self-adhered flashings shall comply with AAMA 714.
- IBC Section 1404.4.1 Exterior Wall Pockets: Exterior walls of buildings or structures, wall pockets or crevices in which moisture can accumulate shall be avoided or protected with caps or drips or other approved means shall be provided to prevent water damage.
- IBC Section 1404.4.2 Masonry: Flashing and weep holes in anchored veneer (complying with IBC* Section 1404.6) shall not be located more than 10 inches above finished ground level above the foundation wall or slab. At other points of support including structural floors, shelf angles, and lintels, flashing and weep holes shall be located in the first course of masonry above the support.

IECC and ASHRAE 90.1 Continuous Air Barrier

These energy codes require the entire building envelope:

- Be designed, documented, and constructed with a continuous air barrier.
- Utilize air-impermeable materials or assemblies with manufacturer instructions for use as an air barrier.
- Be inspected and/or tested onsite for whole building air tightness compliance (code version dependent).

VI. Installation Tools

For adhered materials such as AWB's and flashings, the following tools are recommended depending on the specific application:

- Tape measure, utility knife, shears, and hard rollers of various widths.

For liquid materials such as primers, liquid flashing, and sealants, the following tools are recommended depending on the specific application:

- Wet mil gauge, rollers, brushes, trowels, backer rod, and sealant finishing tools.

VII. Substrate Preparation

Prior to the installation of WALLcontrol adhered products the following are required:

- Roofing systems shall be capped and sealed, or the top of walls protected, in such a way as to eliminate the ability of water to saturate the wall or interior space, both before and after, air barrier system installation. Coordinate installation of WALLcontrol products with the roofing trade to ensure compatibility and continuity with the roofing system.
- Substrate must be clean, dry, and free from gross irregularities, loose material, unsound material, sharp protrusions, any foreign material (such as dirt, ice, snow, water, grease, bitumen/coal tar, oil, release agents, lacquers, paints), or any other condition that would be detrimental to membrane adhesion to the substrate.
- Clean loose dust or dirt from the surface to which the WALLcontrol adhered product is to be applied by wiping with a clean, dry cloth or brush.
- WALLcontrol products may be applied to most typical building materials such as exterior sheathing boards, CMU, concrete, exterior grade plywood, OSB, and metal surfaces.
 - Exterior sheathing shall be installed according to the manufacturer's installation instructions and fastening pattern. All board edges shall be sound and anchored in a way to provide minimum deflection. All board edges shall be cut cleanly and excess debris shall be removed.
 - CMU walls shall have all joints filled and struck flush. Mortar should be cured for a minimum of 7 days. Where necessary, clean loose mortar and other contamination on the substrate with a wire brush or similar abrasion to provide a stable, clean, frost-free, and dust-free surface for application. Fill all voids and holes, particularly in the mortar joints, with a lean mortar mix, non-shrinking grout or parge coat.
 - Concrete wall tie holes/voids in poured concrete to be flush and smooth shall be filled. Allow new concrete to cure a minimum of 14 days after forms are removed. Curing compounds must be resin based without oil, wax or pigments. Substrates must be free of form release agents.
 - Exterior grade plywood, sheathing, and lumber shall be securely fastened. Ensure substrate is acceptable prior to application of WALLcontrol products.
 - Metal surfaces need to be clean and free of oils or other contaminants. Remove rust or other oxidation layers from the surface prior to application.
- WALLcontrol adhered and liquid products adhere to common construction substrates without primers, however, it is always recommended that a mock-up or field adhesion test on the actual materials being used on the job be conducted to verify adhesion.
- Primers can also be used to improve adhesion to the substrate. Siplast Pro Primer AC is a water-based primer that imparts an aggressive, high-tack finish on the treated substrate.

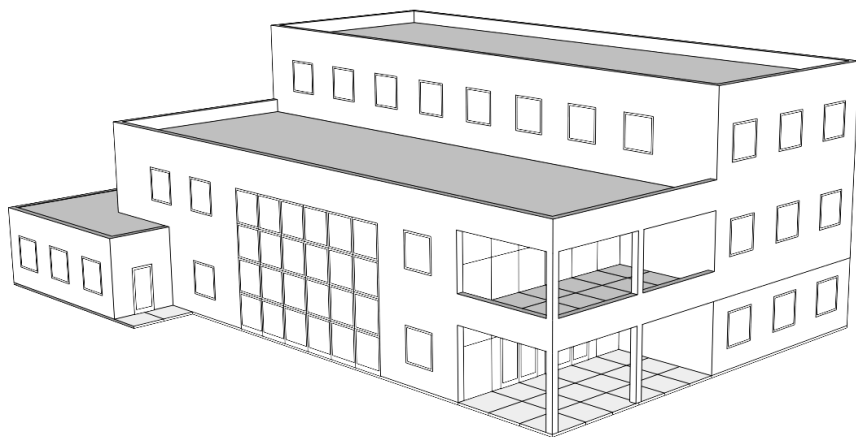
VIII. General Applications

The following requirements apply to all WALLcontrol adhered product installations:

- WALLcontrol adhered products should be installed in a manner to shed water in a shingle fashion. The membrane should be installed in a sequence that maintains a continuous downward water drainage plane onto an acceptable air and water barrier with an unobstructed path to the exterior of the wall system.
- Generally, application may proceed when ambient and surface temperature is a minimum 20°F (-7°C) and rising and the substrate is clean, dry, and frost-free.
- WALLcontrol adhered products can be applied vertically or horizontally. WALLcontrol™ Monolith VP Adhered AWB should not be used on window sills or any other horizontal surface.
- WALLcontrol adhered products shall be lapped onto the previous sheet a minimum of 2" (5cm). All other transitions should have a minimum of 3" (8 cm) overlap. All horizontal laps should be shingled to shed water.
- WALLcontrol adhered products must be mechanically roll-pressed with a J-Roller to ensure the membrane develops sound contact to the substrate.
 - Hard roller the material within a short period after the installation.
 - Ensure firm pressure is applied to the roller across the entire surface of the material to create continuous and intimate contact with the substrate.
 - Ensure you have a variety of sizes of hand rollers, such as larger widths for the main membrane areas, but also narrower rollers for detail areas like window flashing and transition membranes.
- All non-water shedding edges must be sealed with WALLcontrol STPE Liquid Flashing, Siplast PS-715 NS Elastomeric Sealant, or compatible approved sealant.
- At the end of each working day, if the wall has been only partially covered, apply a bead of WALLcontrol STPE Liquid Flashing, Siplast PS-715 NS Elastomeric Sealant, or compatible approved sealant along the top edge of the membrane at its termination to prevent vertical drainage of precipitation from penetrating the end and undermining the membrane adhesion.
- Tool all sealants and liquid flashing materials to ensure it is worked into the surface.
- Protect membranes to avoid damage by other trades and construction materials during subsequent operations. Insulation and/or protection products may be installed after membranes have been installed.
- Inspect the membrane before covering it with subsequent construction materials and repair any punctures, damaged areas, or inadequately lapped seams.
- Tears and holes must be repaired using a patch of WALLcontrol adhered products applied directly to the existing membrane.
 - Repairs made using WALLcontrol adhered products sized to extend 6 in (150 mm) in all directions from the perimeter of the affected area. The repair piece must be pressed into place with a hand roller as soon as possible to ensure continuous and intimate contact with the substrate.
 - Repairs made using WALLcontrol liquid flashing products should be applied to extend at least 1 in (25 mm) in all directions from the perimeter of the affected area. WALLcontrol STPE Liquid Flashing application should be applied at a minimum thickness of 60 wet mils.

IX. Specific Applications

For specific application information refer to the WALLcontrol detail and sequence sheets. Product and installation requirements may vary by application and project conditions.



Detail Sequences Drawing List

Below is a list of detail sequence sheets relevant to the WALLcontrol adhered product installations:

General Details

- 00.0 Detail Legend & Drawing List
- 01.S Adhered Membrane Wall Application
- 01.L Liquid Applied Wall Application
- 01.P Polyiso Board Wall Application
- 01.R AWB Repairs

Wall Condition Details

- 02.1 Substrate Joints
- 02.2 Outside Corners
- 02.3 Inside Corners
- 02.4 Cladding Attachments
- 02.5 Beam and Knifeplates
- 02.6 Pipe Penetrations
- 02.7 Electrical Penetrations
- 02.8 Relief Angle at Wall

Opening Details

- 03.1 Fenestration Flashing Overview
- 03.2 Fenestration Rough Opening with Adhered Flashing
- 03.3 Fenestration Rough Opening with Liquid Flashing
- 03.4 Fenestration Head Options
- 03.5 Fenestration Integral Flanged
- 03.8 Door Frame Flashing

Transition Details

- 04.1 Parapet Transition Flashing
- 04.2 Flush Edge Roof Transition Flashing
- 04.3 Parapet at Rising Wall Flashing
- 04.4 Wall to Waterproofing Transition
- 04.5 Soffits and Overhangs
- 05.1 Ledge Foundation Transition Flashing
- 05.2 Flush Foundation Transition Flashing