Siplast® WALLcontrol™ Monolith VP Adhered AWB System

Submittal Packet

09-2024 Version

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With you every step of the way

Siplast Headquarters
14911 Quorum Dr.Suite 600
Dallas, Texas 75254
469-995-2200

In Canada:
201 Bewicke Ave., Suite 208
Vancouver, BC, V7M 3M7
604-929-7687

Customer Service in North America:
Toll Free 1-800-922-8800
www.siplast.com

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 absoprtion <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

siplast®

SIPLAST.COM
800.922.8800

UNITED STATES
14911 Quorum Dr.
Suite 600
Dallas, TX 75254
O: 469.995.2200

CANADA
201 Bewicke Ave., Suite 208
North Vancouver, BC,
Canada V7M 3M7
1.877.233.2338

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Scan QR code to view more Siplast Building Enclosure products

Message and data rates may apply.

WALLcontrol™ Monolith VP Adhered Air & Water-Resistive Barrier

A primerless, self-adhered, vapor permeable air and water-resistive barrier (AWB) using exclusive technology that creates a monolithic solid sheet membrane.

Features & Benefits

PRIMERLESS APPLICATION

A primerless, self-adhered membrane that enables ease and speed of installation.

PERMEABLE ACRYLIC ADHESIVE

A full coating of acrylic adhesive creates a strong bond to various substrates, limiting lateral water and air movement behind the membrane.

MONOLITHIC SOLID SHEET

Creates a monolithic solid sheet construction, when properly installed, that establishes a continuous plane around the building with strong adhesion, no wicking, and no membrane disbonding.

UV RESISTANCE

A dark film-facer provides 12 months of exposed UV resistance that allows for greater construction scheduling flexibility.

SPLIT RELEASE LINER

A sheet-applied membrane with split release liner that enables ease and speed of installation.

FIRE CONTROL

Holds an ASTM E84 Class A fire rating and offers multiple NFPA 285 compliant assemblies.

TEMPERATURE STABILITY

Low-temperature application provides installation flexibility, while high-temperature* stability offers long-term performance.

ROOF-TO-WALL TRANSITION SOLUTION

Seamlessly integrates with Siplast's high-quality roofing and durable parapet accessories, offering a single-source solution on your next project.

**Passes AMAA 711, Level 3 (176°F/80°C) without the need for a primer.*

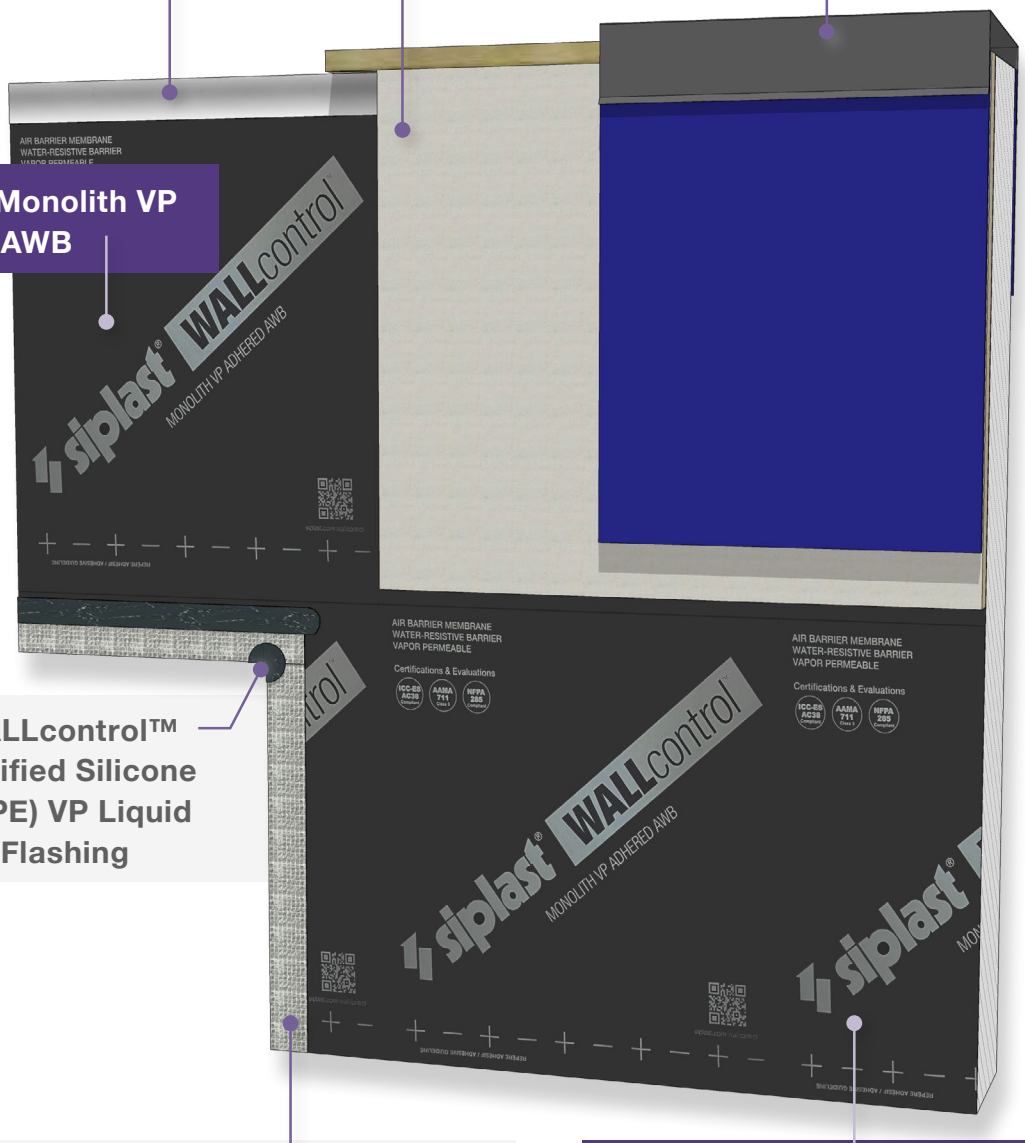
WALLcontrol™ Monolith VP Adhered Air & Water-Resistive Barrier System

WALLcontrol™ Stainless Steel Butyl Adhered Flashing

WALLcontrol™ Polyiso Foil-Faced Insulation

Paraguard Roof Edge Metal

WALLcontrol™ Monolith VP Adhered AWB



WALLcontrol™ Modified Silicone (STPE) VP Liquid Flashing

WALLcontrol™ Reinforced Aluminum Butyl Adhered Flashing

WALLcontrol™ Monolith VP Adhered AWB

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14911 Quorum Dr.
Suite 600
Dallas, TX 75254
O: 469.995.2200

CANADA
201 Bewicke Ave., Suite 208
North Vancouver, BC,
Canada V7M 3M7
1.877.233.2338

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Scan QR code to view more information about WALLcontrol Monolith VP AWB.

Message and data rates may apply.

SIP-15b/08-24

WALLcontrol™ MONOLITH VP ADHERED AWB

Commercial Product Data Sheet

Siplast WALLcontrol™ Monolith VP Adhered AWB (Air & Water-resistive Barrier) is a membrane with a high-temperature stable and low-temperature application permeable acrylic adhesive with a split siliconized release liner. WALLcontrol Monolith VP is a flexible, UV resistant, primerless membrane designed as a vapor permeable, air barrier membrane, and water-resistive barrier for commercial wall systems.

USES:
AIR BARRIER MEMBRANE
WATER-RESISTIVE BARRIER
VAPOR PERMEABLE

Certifications & Evaluations

ICC-ES AC38 Compliant
NFPA 285 Compliant
AAMA 711 Class 3
abaa EVALUATED

Composition	Monolithic polymer top-sheet Permeable acrylic adhesive Siliconized release liner
Product Dimensions	Roll Length: 100 ft (12.2 m) Roll Width: 36 in (.91 m) Roll Area: 300 sq-ft (27.8 sq-m) Roll Weight: 21 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.”

PRODUCT INFORMATION

Application and Features

Refer to the Siplast Installation Guide for detailed application information of Siplast WALLcontrol Monolith Adhered VP AWB.

PERMEABLE ACRYLIC Adhesive

Control Category

Water Control
Air Control

Features

Apply to 20°F
Compatible
12 Months UV

Storage, Handling, and Packaging

WALLcontrol Monolith VP Adhered AWB should be stored between 40°F - 90°F 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: 30

Siplast
14911 Quorum Dr., Suite 600
Dallas, TX 75254

201 Bewicke Ave., Suite 208
North Vancouver, BC, Canada V7M 3M7

Customer Service in North America
1.800.922.8800 www.siplast.com

WALLcontrol™ Monolith VP Adhered AWB

Physical and Mechanical Properties

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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 Pass
	Assembly Air Permeance	ASTM E2357 CAN/ULC S742	< 0.040 cfm/sf	< 0.0019 cfm/sf 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	Vapor Permeable 14 / 20 US Perms
FIRE CONTROL	Surface Burning Characteristics	ASTM E84	Pass	Class A 15 Flame Spread 10 Smoke Developed
	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
PHYSICAL PROPERTIES	Peel Adhesive Strength to Substrates	ASTM D3330	≥1.5 pli	8 pli Exterior gypsum 8 pli Aluminum 8 pli CMU
	Lap Adhesion	ASTM D3330 Method B	≥5.0 pli	8.5 pli
	Pull Adhesive Strength to Substrates	ASTM D4541	≥16 psi	>50 psi Exterior gypsum >50 psi Plywood >50 psi CMU
	Elongation	ASTM D412 Method A Die C	200%	MD: 20% XD: 200%
	Accelerated UV Aging	AAMA 711 Section 5.4 - 7 days	≥1.5 pli	7 pli
	Elevated Temperature Exposure	AAMA 711 Section 5.5 - 7 days @ 176°F(80°C) - Level 3	≥1.5 pli	6 pli
	Thermal Cycling	AAMA 711 Section 5.6 - 10 days	≥1.5 pli	6 pli

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.

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WALLcontrol™ MODIFIED SILICONE (STPE) VP LIQUID FLASHING

Commercial Product Data Sheet

Siplast® WALLcontrol™ Modified Silicone (STPE) VP Liquid Flashing is a vapor permeable, liquid-applied air barrier accessory for commercial wall systems. This liquid flashing is a single component silyl-terminated polyether (STPE) moisture cure technology. During application, the high solids formulation is resistant to wash-off when curing, and has minimal dry film shrinkage.

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

Certifications & Evaluations

ICC-ES AC212 Compliant
AAMA 714 Evaluated
ASTM C920 Class 35

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.

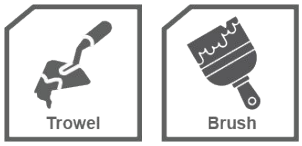
Energy Efficiency & Sustainability

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

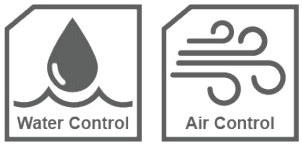
PRODUCT INFORMATION

Application and Features

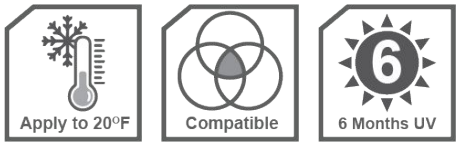
Refer to the Siplast Installation Guide for detailed application information of Siplast WALLcontrol Modified Silicone (STPE) VP Liquid Flashing.



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

Siplast 14911 Quorum Dr., Suite 600 Dallas, TX 75254
201 Bewicke Ave., Suite 208 North Vancouver, BC, Canada V7M 3M7
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WALLcontrol™ MODIFIED SILICONE (STPE) LIQUID FLASHING

Physical and Mechanical Properties

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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

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

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

AAMA 711 Class 3

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 6 in roll 9 in roll 12 in roll 18 in roll	12 rolls/box 8 rolls/box 4 rolls/box 4 rolls/box 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.”

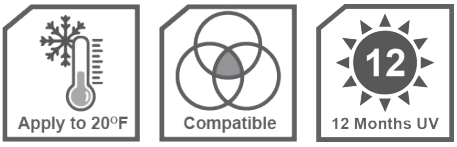
PRODUCT INFORMATION

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

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14911 Quorum Dr., Suite 600
Dallas, TX 75254

201 Bewicke Ave., Suite 208
North Vancouver, BC, Canada V7M 3M7

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WALLcontrol™ REINFORCED ALUMINUM BUTYL ADHERED FLASHING

Physical and Mechanical Properties

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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 Modified AAMA 711 Section 5.5 7 days @ 240°F(115°C)	≥1.5 pli ≥1.5 pli	8.5 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

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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 facer 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

AAMA 711 Class 3

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.

HIGH TEMP BUTYL Adhesive

Control Category

Water Control | Air Control | Vapor Control

Features

Apply to 20°F | Compatible | Unlimited UV

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

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WALLcontrol™ STAINLESS FLASHING

Physical and Mechanical Properties

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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.

Siplast
14911 Quorum Dr., Suite 600
Dallas, TX 75254

201 Bewicke Ave., Suite 208
North Vancouver, BC, Canada V7M 3M7

Customer Service in North America
1.800.922.8800 www.siplast.com

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

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

Coverage:

Depth \ Width	⅛″	¼″	⅜″
⅛″	288	145	95
¼″		71	58
⅜″			32

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)

Siplast 14911 Quorum Dr., Suite 600 Dallas, TX 75254
201 Bewicke Ave., Suite 208 North Vancouver, BC, Canada V7M 3M7
Customer Service in North America 1.800.922.8800 www.siplast.com

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 32ºF (0º C) within 2 hours of application, if the substrate is within 5ºF 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 @ 75ºF (24ºC)/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 105º F (40º 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

Siplast 1000 Rochelle Blvd. Irving, TX 75062-3940
201 Bewicke Ave., Suite 208 North Vancouver, BC, Canada V7M 3M7
Customer Service in North America 1.800.922.8800 www.siplast.com

Safety Data Sheet
WALLcontrol Monolith VP Adhered AWB

SECTION 1: Identification

1.1 GHS Product identifier

Product name	WALLcontrol Monolith VP Adhered AWB

1.4 Supplier's details

Name	Siplast
Address	14911 Quorum Drive Suite 600 Dallas, TX 75254
Telephone	800-922-8800

1.5 Emergency phone number

800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

General hazard statement
WALLcontrol Monolith VP Adhered AWB is non-hazardous and non-toxic article manufactured from high quality polyethylene resins and other raw materials in accordance with customer product specification and applicable regulatory requirements.

This product meets the definition of “article” under the OSHA Hazard Communication Regulations in 29 CFR 1910.1200(c) and is exempt from the requirement to provide a Safety Data Sheet per 29 CFR 1910.1200(b) (6) (v). This Article Information Sheet is provided on a voluntary basis to provide additional information to customers.

WALLcontrol Monolith VP Adhered AWB is also considered to be an Article considering the criteria of the European REACH Directive and do not contain any “Substances of Very High Concern” (SVHC) at threshold concentrations at the date of this Data Sheet. While the membranes may contain proprietary additives necessary to enhance manufacturing or performance, Siplast does not utilize halogenated compounds or flame retardant substances such as Sb203 and Red Phosphorus in the manufacture of Separators. Neither does it utilize substances derived from animal based constituents that may contain BSE (Bovine spongiform Encephalopathy) or TSE (Transmissible spongiform encephalopathy). No phthalate based modifiers are used in the production process.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

No data available.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If swallowed — May cause adverse effects.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Recommended fire extinguishing media is water fog, foam, carbon dioxide (CO_2) or dry chemical.

5.2 Specific hazards arising from the chemical

Products of combustion may include carbon dioxide (CO_2), carbon monoxide (CO), and hydrocarbons of various types similar to those produced by combustion of other organic materials.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

This product is an article, which does not release or otherwise result in exposure to a hazardous chemical under normal conditions of use and routes of exposure.

6.3 Methods and materials for containment and cleaning up

Due to possible generation of low levels of organic compounds at elevated temperatures, > 200 degrees Celsius (°C) [(>392 °F], promptly clean up particles or dust generated from cutting/grinding. Polyethylene dust is potentially combustible.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Membrane may hold a static charge that can be controlled through the use of antistatic devices or grounding methods.

7.2 Conditions for safe storage, including any incompatibilities

Store in original containers if practical. Protect product from extreme temperatures and exposure to moisture.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

No data available.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection
No data available.

Skin protection
No data available.

Respiratory protection
No data available.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	No data available.
Color	Opaque
Odor	No odor.
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	>235°C (>455°F)
Explosive properties	No data available.
Auto-ignition temperature	>378°C (>715°F)
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Not soluble in water.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	No data available.
Relative vapor density	No data available.

Particle characteristics
No data available.

Supplemental information regarding physical hazard classes
No data available.

Further safety characteristics (supplemental)
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
No data available.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
No data available.

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
No data available.

Skin corrosion/irritation
No data available.

Serious eye damage/irritation
No data available.

Respiratory or skin sensitization
No data available.

SECTION 12: Ecological information

Toxicity
No data available.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Results of PBT and vPvB assessment
No data available.

Endocrine disrupting properties
No data available.

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Unused and uncontaminated product should be recycled as high-density plastic or in accordance with local, state and federal waste regulations.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.2 Chemical Safety Assessment
This product is an article as defined by Toxic Substance Control Act (TSCA) regulations and is exempt from TSCA Inventory Requirements.

Materials used to manufacture this product are listed on the active TSCA inventory and are not otherwise regulated under U.S. OSHA, EPA or DOT.

Other Regulations as defined by individual Product Specifications:

NOT WITHSTANDING ANY ABOVE STATEMENTS TO THE CONTRARY, SIPLAST'S LIABILITY IS LIMITED IN ACCORDANCE WITH THE LIMITED WARRANTY AND LIABILITY LIMITATION PROVISIONS CONTAINED IN DARAMIC'S STANDARD TERMS AND CONDITIONS OF SALE.

SECTION 16: Other information

No data available.

WALLcontrol™ Adhered Products

Installer's Guide

03-2024 Version

Table of Contents

siplast®
With you every step of the way

Siplast Headquarters
14911 Quorum Dr.Suite 600
Dallas, Texas 75254
469-995-2200

In Canada:
201 Bewicke Ave., Suite 208
Vancouver, BC, V7M 3M7
604-929-7687

Customer Service in North America:
Toll Free 1-800-922-8800
www.siplast.com

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.

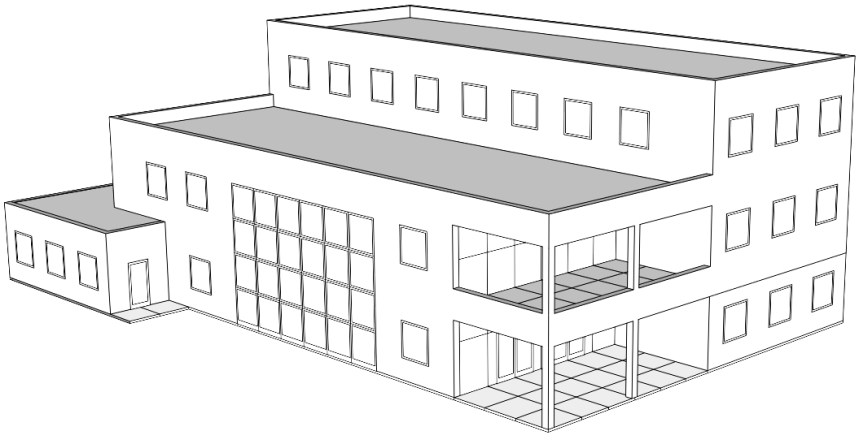
VIII. General Applications

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