siplast®

WALLcontrol™

TAKE THE NEXT STEP IN COMMERCIAL
WALL PROTECTION WITH SIPLAST®

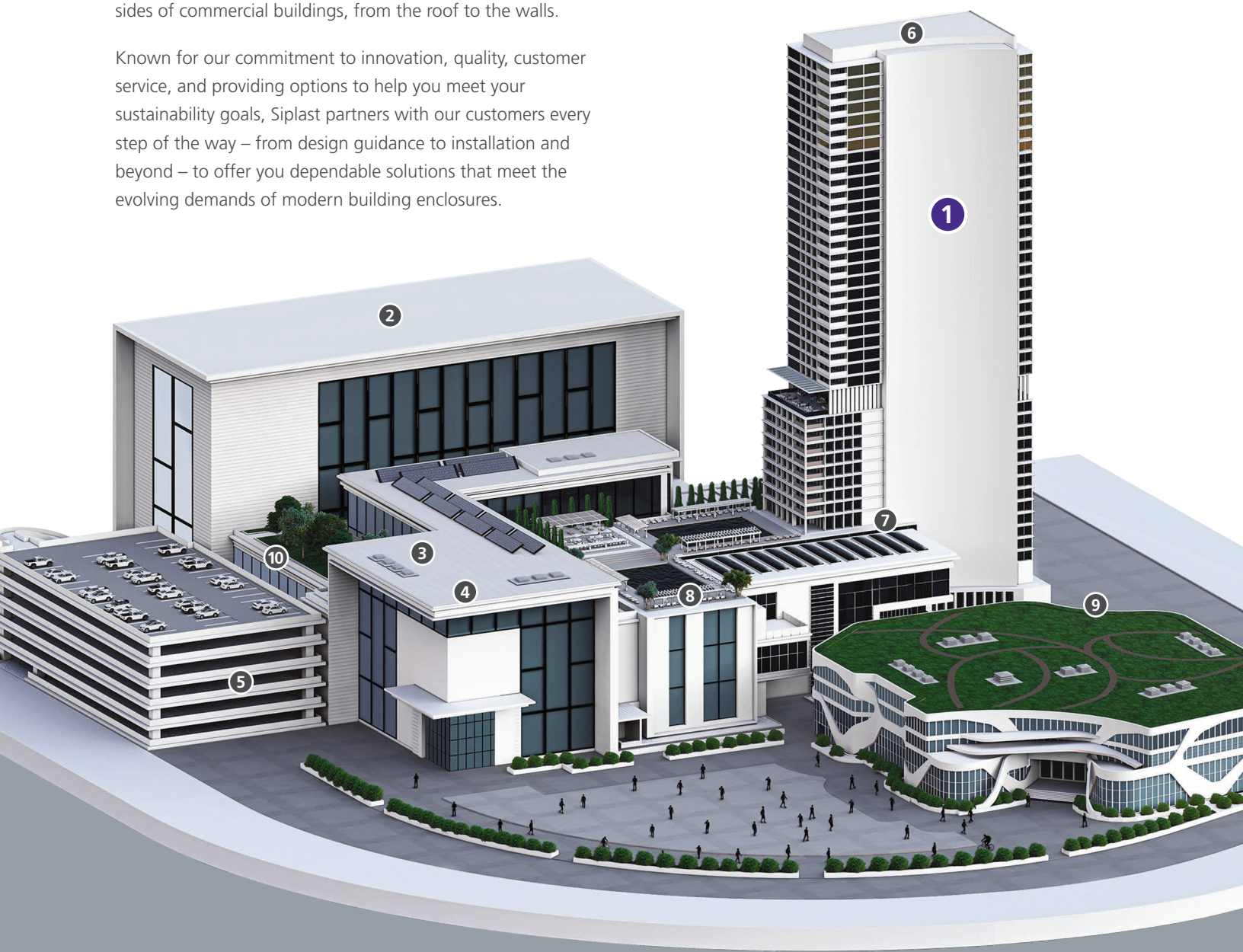
The Proven Leader in Enclosure Solutions.

For more than 50 years, Siplast has developed high-performance commercial roofing and waterproofing materials designed to protect unique and iconic structures throughout North America.

Leveraging those decades of experience and manufacturing success with roofing and waterproofing, we've extended our portfolio to incorporate commercial wall systems. These offerings enable us to now deliver the Siplast level of excellence for all sides of commercial buildings, from the roof to the walls.

Known for our commitment to innovation, quality, customer service, and providing options to help you meet your sustainability goals, Siplast partners with our customers every step of the way – from design guidance to installation and beyond – to offer you dependable solutions that meet the evolving demands of modern building enclosures.

1. **AIR, WATER & THERMAL SOLUTIONS**
2. SINGLE-PLY ROOF SOLUTIONS
3. SBS-MODIFIED BITUMEN ROOFING
4. REUSABLE INSULATION SOLUTIONS
5. PARKING DECK SOLUTIONS
6. PMMA ROOF SOLUTIONS
7. SBS-MODIFIED BITUMEN WATERPROOFING
8. AMENITY SOLUTIONS
9. VEGETATED ROOF SOLUTIONS
10. STORMWATER MANAGEMENT



Put Yourself in Full Control.

AIR AND WATER-RESISTIVE BARRIERS | POLYISO INSULATION | TEMPORARY ENCLOSURES

For optimized solutions at every level, Siplast offers WALLcontrol™ – a full suite of above-grade wall components, featuring the same manufacturing quality and system performance as our roofing and waterproofing systems.

WALLcontrol products provide high-performance solutions for vertical walls, creating a continuous air and water barrier (AWB) for commercial buildings and enabling complex transitions from roofing and waterproofing systems.

CONTINUITY. SYNERGY. RELIABILITY.

Continuity of air and water management in commercial buildings is critical for the development of holistic solutions that achieve durable design, drive energy-efficient performance, and help enable health and comfort for people inside a building. Outside, our temporary building enclosures provide jobsite protection from the elements.

With WALLcontrol products seamlessly integrating with Siplast roofing systems, you can enjoy the convenience of having a single-source solution for every one of your building material needs – all provided by a proven manufacturing partner that you know and trust.

Start protecting all sides of your building today.

MEET YOUR REP

Air and Water-Resistive Barriers

BARRIERS WITHOUT LIMITATIONS

WALLcontrol air and water-resistive barrier systems are built to minimize unwanted air and water movement through building enclosures. Our high-quality solutions are engineered to maintain integrity and stability when exposed to high heat and UV rays, while offering exceptional tensile strength, elongation, and tear resistance.

With Siplast's three WALLcontrol air and water barrier membranes, we provide self-adhered and fluid-applied options that seamlessly integrate with our high-quality roofing and parapet accessories.

WATER CONTROL

Manages incidental moisture to help reduce the potential for mold in the wall cavity, potentially protecting the structure's integrity and the occupants' health.

AIR CONTROL

Controlling the movement of air through the building enclosure can minimize the moisture carried and deposited by the air leakage. Limiting the loss of conditioned air (heated and cooled), helps to ensure a comfortable indoor environment.

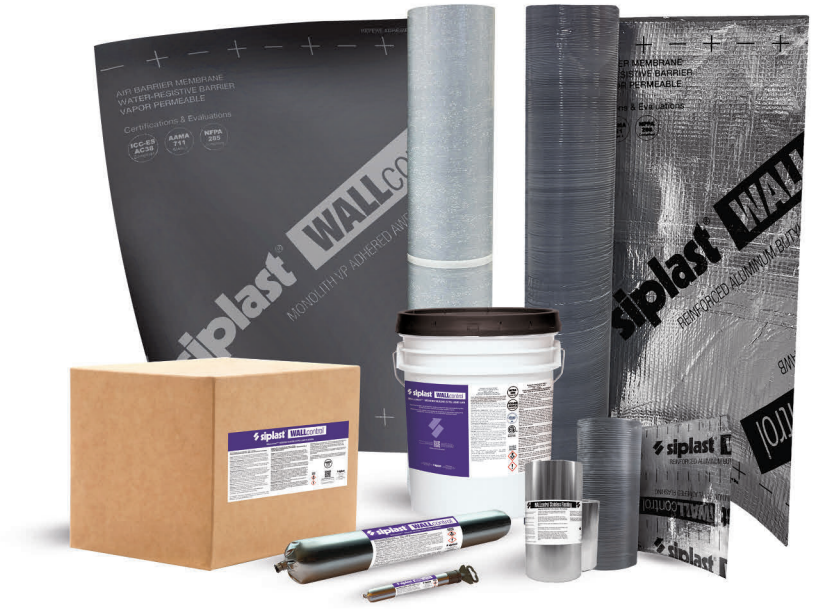
ENERGY EFFICIENCY

Limiting the movement of conditioned air between the inside and outside of the building helps facilitate lower energy use within the structure, potentially reducing both operating costs and carbon emissions.

VAPOR CONTROL

Permeable options mitigate the passage of air and bulk water while permitting the diffusion of water vapor through the material, allowing for incidental drying.

Comprehensive AWB Membrane Systems:



WALLcontrol MONOLITH™ VP ADHERED AWB

A primerless, self-adhered, vapor-permeable AWB using exclusive technology that creates a monolithic solid-sheet membrane.

WALLcontrol MODIFIED SILICONE (STPE) VP LIQUID AWB

A liquid-applied, vapor-permeable, silyl-terminated polyether (STPE) AWB that is a single-component, moisture-cure membrane.

WALLcontrol REINFORCED ALUMINUM BUTYL-ADHERED AWB

A primerless, self-adhered, non-vapor-permeable, UV-resistant AWB designed for high-temperature stability and low-temperature application.

SELF-ADHERED VS. FLUID-APPLIED

Air and water-resistive barriers typically are available in two core material types: self-adhered sheets and fluid-applied membranes. Both offer significant advantages over mechanically attached membranes and can be used on the same project to employ the unique advantages of each type.

As an example, self-adhered sheet membranes are often applied to long, opaque sections of a wall assembly, while fluid-applied membranes are ideal for the more difficult-to-cover areas such as curved surfaces, openings or corners – including areas of the building with complex geometries.

PERMEABLE VS. IMPERMEABLE

Choosing between permeable and impermeable air barriers requires a careful examination of a building's location, its intended use, and the level of exposure to certain weather conditions.

For example, a commercial building located in a humid climate may require a vapor-permeable air barrier to allow moisture trapped within the walls to escape in order to prevent damage. Conversely, a building wall design with primarily continuous exterior insulation may be better suited to an impermeable barrier behind the insulation.

Explore everything you need to know about air & water-resistive barriers.

DOWNLOAD THE ULTIMATE AWB GUIDE

WALLcontrol Monolith VP Adhered AWB

WALLcontrol Monolith VP Adhered AWB is a primerless, self-adhered, vapor-permeable AWB option that leverages exclusive Siplast technology to create a monolithic solid-sheet membrane that establishes a continuous plane around a building with strong adhesion, no wicking, and no disbonding. Monolith's full coating of acrylic adhesive creates a strong bond to various substrates, limiting lateral water and air movement behind the membrane while still maintaining permeability.

To reduce the risk of bulk water intrusion, Monolith goes beyond industry standards by exceeding the AATCC 127 hydrostatic head water penetration test requirement. Siplast achieves this through a highly uniform membrane structure that promotes moisture vapor transfer while still maintaining exceptional water hold-out properties.

PRIMERLESS APPLICATION

Enables the ease and speed of installation along with the split-release liner.

PERMEABLE ACRYLIC ADHESIVE

Strong bond limits lateral water and air movement behind the membrane.

MONOLITHIC SOLID SHEET

Ensures strong adhesion and eliminates wicking and membrane disbanding.

TEMPERATURE STABILITY

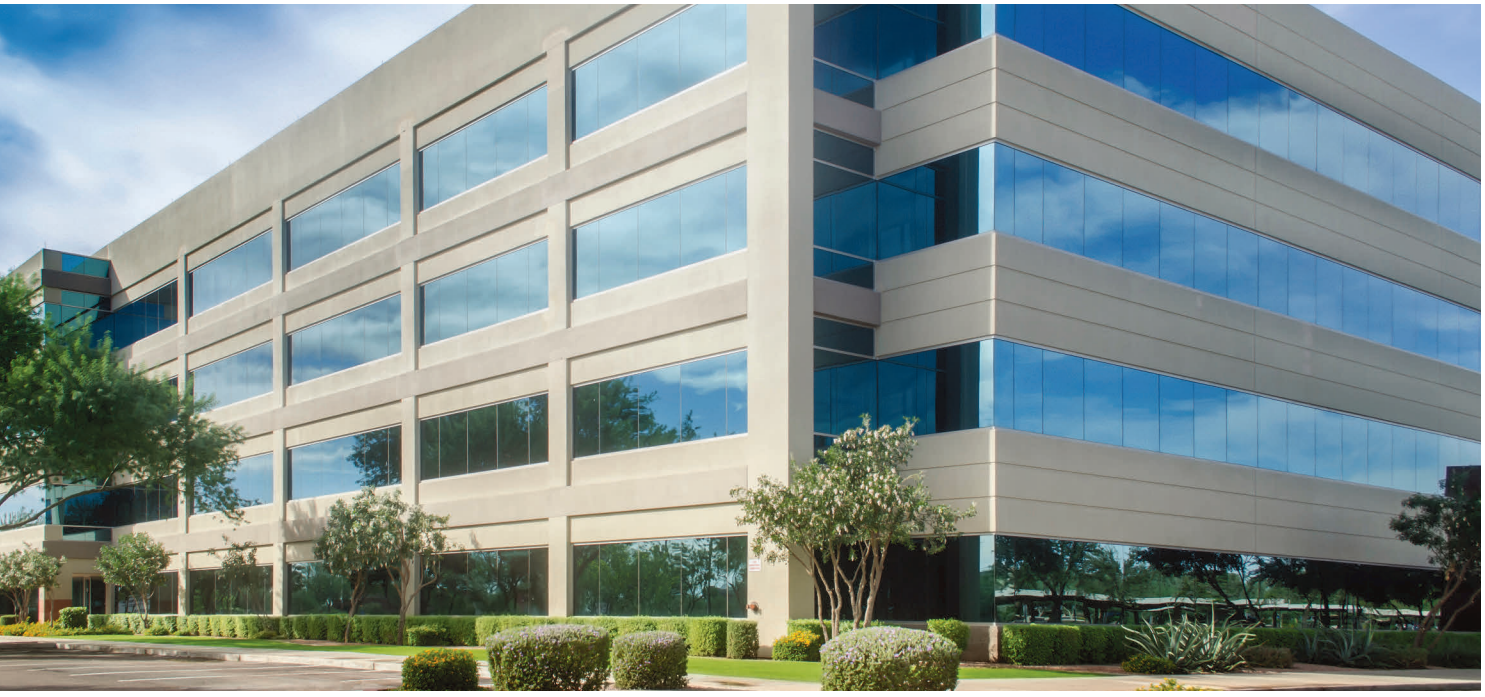
Low-temperature application provides installation flexibility, while high-temperature stability offers long-term performance.

UV RESISTANCE

12 months of exposed UV resistance* provides greater construction scheduling flexibility. Suitable for use in approved open-joint cladding configurations.

FIRE CONTROL

ASTM E84 Class A-rated fire-resistance properties enable a broad application for commercial construction wall designs.



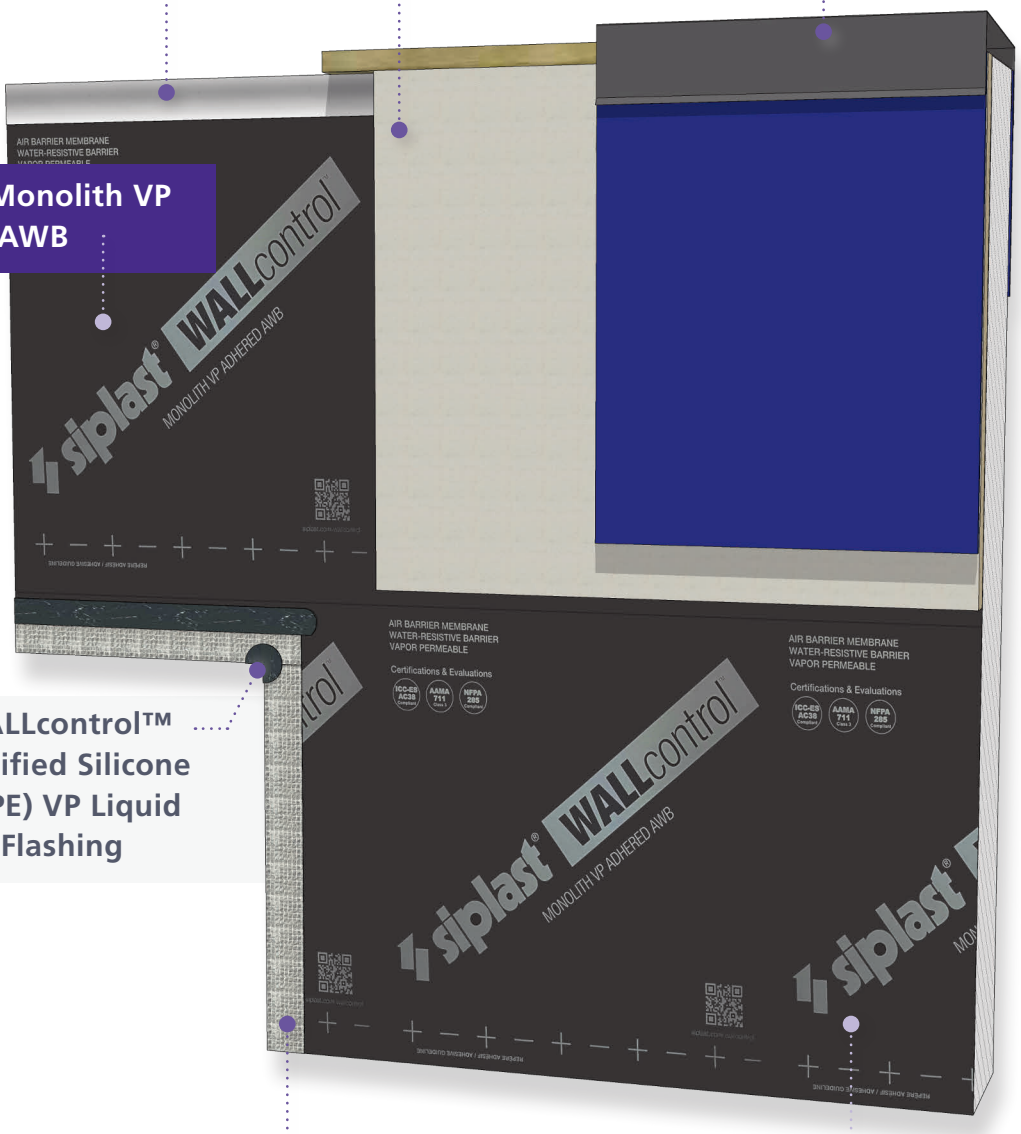
*UV resistance refers to standardized testing conducted to ensure the product will not physically degrade when exposed to UV. To ensure full waterproofing protection, WALLcontrol AWBs should be covered by exterior cladding before the recommended UV resistance period elapses. See applicable WALLcontrol installation instructions for details.

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

WALLcontrol Modified Silicone (STPE) VP Liquid AWB

WALLcontrol Modified Silicone (STPE) VP Liquid AWB is a liquid-applied, vapor-permeable, silyl-terminated polyether (STPE) AWB that is a single-component, moisture-cure membrane. The product bonds to a wide array of substrates – including wood, block, concrete, and gypsum sheathing – providing a seamless membrane with no laps.

SINGLE-COMPONENT STPE FORMULATION

Provides a quick skin-over time with resistance to wash-off and minimal shrinkage – allowing for application to damp surfaces, reducing rain-related jobsite delays.

SINGLE-COAT APPLICATION

Offers 2.5x more coverage* per 5-gallon bucket with no compromise in performance compared to other leading water-based AWBs applied in two coats.

AIR TIGHT

Exceeds material and assembly air tightness requirements for energy code and ABAA evaluation.

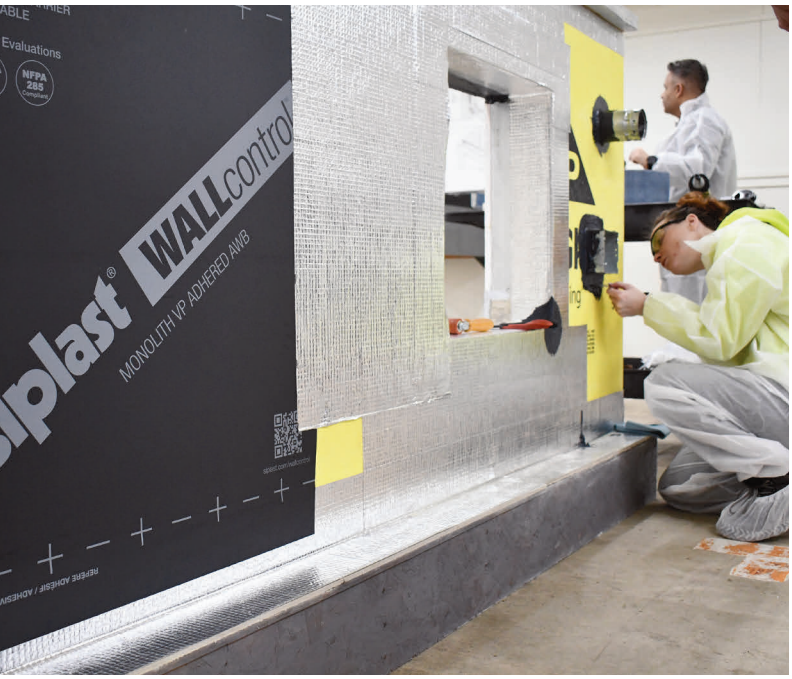
UV RESISTANCE

12 months of exposed UV resistance** provides greater construction scheduling flexibility.

FIRE CONTROL

ASTM E84 Class A-rated fire-resistance properties enable a broad application for commercial construction wall designs.

WALLcontrol Reinforced Aluminum Butyl-Adhered AWB



WALLcontrol Reinforced Aluminum Butyl-Adhered AWB is a primerless, self-adhered, non-vapor-permeable, UV-resistant AWB designed for any time of the year with its high-temperature stability and low-temperature application. This solution is durable and flexible, serving as both an air-barrier membrane and a water-resistive barrier for commercial wall systems.

DURABLE BUTYL ADHESIVE

Primerless application provides exceptional adhesion and temperature stability, as well as high levels of compatibility with a variety of sealants.

LOW-TEMPERATURE APPLICATION

Wide temperature-application window extending down to 20 degrees Fahrenheit provides installation flexibility during the winter months.

UV RESISTANCE

12 months of exposed UV resistance** provides greater construction scheduling flexibility, while permanent UV resistance is ensured under open-joint cladding.

FIRE CONTROL

ASTM E84 Class A-rated fire-resistance properties enable a broad application for commercial construction wall designs.

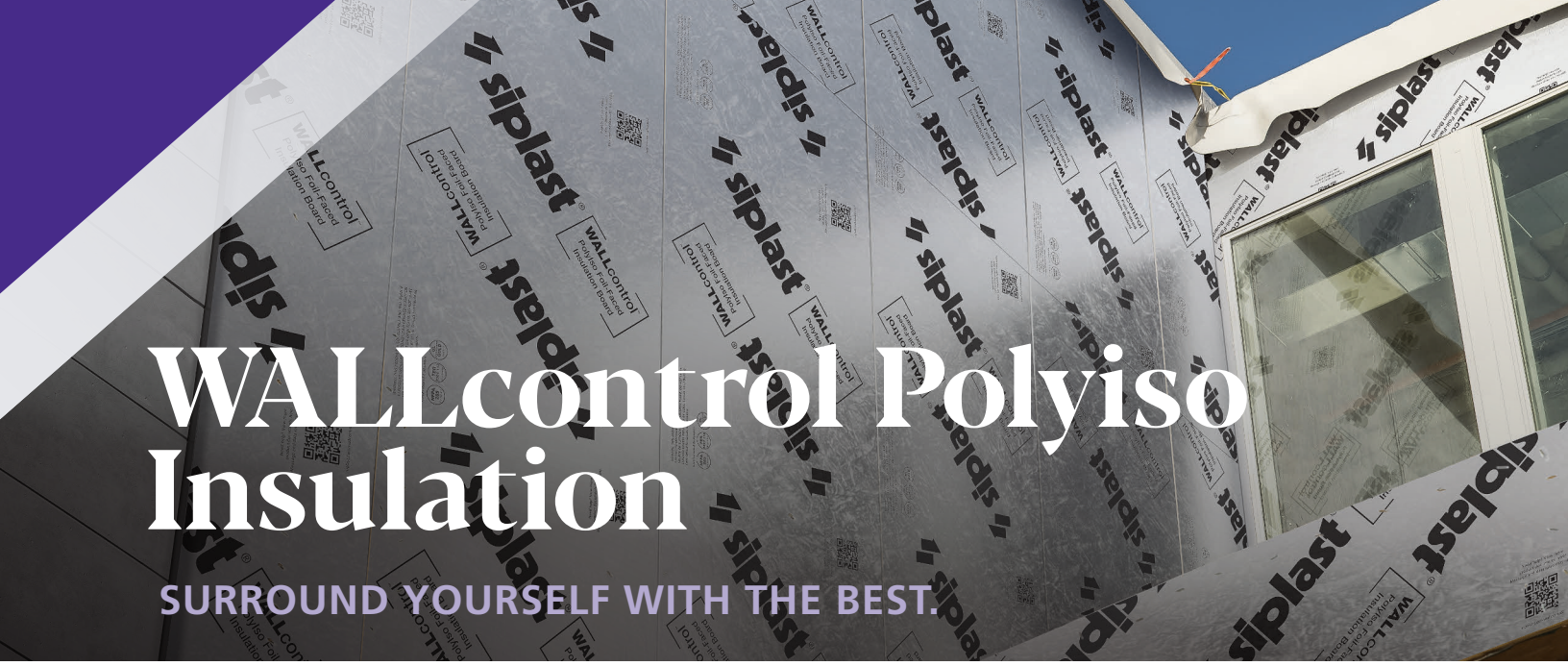
*Coverage claims based on product data sheets published and available on manufacturer's websites as of December 11, 2024.
**UV resistance refers to standardized testing conducted to ensure the product will not physically degrade when exposed to UV. To ensure full waterproofing protection, WALLcontrol AWBs should be covered by exterior cladding before the recommended UV resistance period elapses. See applicable WALLcontrol installation instructions for details.

Air, Water and Thermal Solutions for Every Need.

			AIR & WATER BARRIER MEMBRANES			AIR & WATER BARRIER ACCESSORIES			WALL INSULATION	
			WALLcontrol STPE Liquid AWB	WALLcontrol Monolith VP Adhered AWB	WALLcontrol Reinforced Aluminum AWB	WALLcontrol STPE Liquid Flashing	WALLcontrol Stainless Steel Flashing	WALLcontrol Reinforced Aluminum 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	Temperature Stability	Primerless performance at 20°F (-7°C) and rising. 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		

SEE ALL COMMERCIAL WALL PROTECTION SOLUTIONS
SIPLAST.COM/BE

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



WALLcontrol Polyiso Insulation

SURROUND YOURSELF WITH THE BEST.

WALLcontrol Polyiso is a closed-cell, rigid foam board insulation consisting of a foam core sandwiched between two facers. For maximum performance, the foam core is formulated using an isocyanate and polyol mixture. Siplast offers the choice of two types of WALLcontrol Polyiso insulation, with facers composed of aluminum foil or glass.

Featuring a higher R-value per inch WALLcontrol Polyiso insulation can help provide more energy savings* in thinner product thickness. The products are compatible with WALLcontrol AWB systems.

ENERGY EFFICIENT

Higher R-value per inch can contribute towards eliminating thermal bridging at the studs.

GREATER EASE OF USE

Lighter weight and reduced thickness vs. XPS and mineral fiber provides more efficient wall assembly, potentially reducing labor and time to install.

TEMPERATURE CONTROL

Properly detailed CI wall assemblies can help control exterior core wall temperature, helping to meet building energy requirements as outlined in the IECC.

SUSTAINABILITY CERTIFICATIONS

UL Greenguard-certified to comply with industry standards for low chemical emissions and help improve indoor air quality.

FIRE CONTROL

ASTM E84 Class A-rated fire-resistance properties enable a broad application for commercial construction wall designs.

*Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of products, insulation levels, HVAC equipment efficiency and other factors.

WALLcontrol POLYISO GLASS-FACED INSULATION

Foam core with durable coated glass facers. Less than 1 US perm per ASTM E96, method A.

WALLcontrol POLYISO FOIL-FACED INSULATION

Foam core with durable aluminum facers. Air barrier per ASTM E2178 and ASTM E2357, meets CAN/ULC S741 and S742.

Complete the Performance:

WALLcontrol STAINLESS STEEL BUTYL-ADHERED FLASHING

Available in: 6-, 9-, 12-, 18-, 24-, and 36-inch widths

This multi-purpose self-adhering flashing features a high-temperature butyl adhesive with a siliconized release liner. The durable stainless steel facer is flexible, hand-formable, and provides robust resistance against punctures, tears*, and UV rays. Butyl adhesive is highly compatible with many substrates and allows for adhesion of adjoining enclosure materials.

WALLcontrol MODIFIED SILICONE VAPOR-PERMEABLE LIQUID FLASHING

Available in: 3-ounce and 20-ounce foil sausage packs

This liquid-applied, single-component, silyl-terminated polyether (STPE) moisture-cure air-barrier accessory is used for window and door rough openings, substrate seams and cracks, and around wall penetrations. The high-solids formulation can be applied by spray or trowel, is suitable for low-temperature conditions, has minimal dry film shrinkage, and is resistant to wash-off while curing.

WALLcontrol REINFORCED ALUMINUM BUTYL-ADHERED FLASHING

Available in: 4-, 6-, 9-, 12-, and 18-inch widths

This self-adhered, high-temperature stable, low-temperature application flashing is UV-resistant and non-vapor permeable. Offering flexibility, hand-formability, and primerless application, it's designed for use at window and door rough openings, substrate seams and cracks, and around wall penetrations. This flashing is highly compatible with many substrates.

PS-715 NS ELASTOMERIC SEALANT

Available in: 20-ounce sausage packs

This moisture-curing, non-slump sealant is designed for both roofing and wall applications where dynamic joint movement, adhering dissimilar materials, and excellent low temperature durability is all required.

PRO PRIMER AC

Available in: 5-gallon pails

This single-component, water-based, acrylic-latex, general-purpose primer is used as an adhesion promoter, and corrosion inhibitor. It enhances adhesion to wood and plywood, concrete masonry, brick, CMU, and previously painted surfaces. The primer can be applied by roller, brush, or spray.

*Siplast warranties and guarantees do not provide coverage for punctures, tears or other physical damage to its products. Refer to siplast.com for more information on warranty and guarantee coverage and restrictions.

MONARFLEX TEMPORARY ENCLOSURES

Monarflex Scaffold Sheeting Systems allow you to meet containment requirements for dust, debris, and overspray, including at sites where sandblasting or water-jetting are required. Monarflex Systems are easy to install, durable, and optimized to meet industry-standard configurations for site containment and protection.

SCAN TO LEARN MORE ABOUT TEMPORARY ENCLOSURES.

With You Every Step of the Way.

At Siplast, we're built for your success. Whether you're an architect, contractor, or building owner, you can be confident that we're equipped to meet all of your needs, on all sides of the building. As your proven one-stop shop, you can know we deliver high-performing warranted and guaranteed, coordinated assembly solutions that meet every project demand. And as your trusted partner, you can trust that we're with you every step of the way – from design guidance through installation and beyond.

Ready to meet with your WALLcontrol Trusted Advisor?

SCHEDULE A MEETING

siplast® With you every step of the way

SIPLAST.COM | 800.922.8800

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

CANADA
19748 86 Ave Unit 155
Langley, BC
Canada V2Y 1Z5
1.877.233.2338

442613-0125