



USES:
AIR BARRIER MEMBRANE
WATER-RESISTIVE BARRIER
VAPOR PERMEABLE

WALLcontrol™ MODIFIED SILICONE (STPE) VP LIQUID AWB

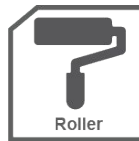
Commercial Product Data Sheet

Siplast WALLcontrol Modified Silicone VP Liquid AWB is a vapor permeable liquid applied single-component silyl-terminated polyether (STPE) moisture-cure air and water-resistive barrier for commercial wall systems. During application, the high solids formulation is resistant to wash-off when curing, has minimal dry film shrinkage, applicable by spray or roll in a single continuous coat, and is suitable for low-temperature conditions.

PRODUCT INFORMATION

Application and Features

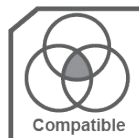
Refer to the Siplast Installation Guide for detailed application information of Siplast WALLcontrol Modified Silicone (STPE) VP Liquid AWB.



Control Category



Features



Storage, Handling, and Packaging

Siplast WALLcontrol Modified Silicone (STPE) VP Liquid products should be stored in a clean, dry environment. Do not freeze. The shelf life is 12 months for an unopened container from the date of manufacture. Reference the "Use By" date printed on the container. Store opened containers with a plastic protective liner to slow cure rate. Before reusing a previously opened container, first remove any cured material that may have formed (skinned over) at the top. Do not double stack pallets. Dispose of unused product and containers in accordance with local, state and federal regulations.

Pails Per Pallet: 36

Certifications & Evaluations



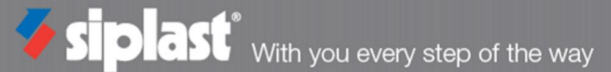
Composition	Liquid applied, high-solids, moisture cure membrane, single-component, silyl-terminated polyether (STPE) membrane
Packaging	5 gallon pails 55 gallon drums
Coverage Rate	At an installation thickness of 20 mils wet film thickness, approximately 60 to 80 sf/gallon coverage in one coat, depending 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."

WALLcontrol™ MODIFIED SILICONE (STPE) LIQUID 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	Pass
	Assembly Air Permeance	ASTM E2357 CAN/ULC S742	< 0.004 cfm/sf	Pass Class A1
WATER CONTROL	Water-Resistive Barrier Acceptance Criteria	ICC ES AC 212	Pass	Pass
	Material Water Penetration Resistance	AATCC 127	No Leakage	55cm for 5 hrs
	Assembly Water Resistance	ASTM E331	No Leakage	Pass @ >9 psf
VAPOR CONTROL	Water Vapor Permeability at 20 mils	ASTM E96/E96M	Method A / B	9 / 15 US Perms
	Water Vapor Permeability at 40 mils	ASTM E96/E96M	Method A / B	7 / 14 US Perms
FIRE CONTROL	Surface Burning Characteristics	ASTM E84	Pass	Class A 20 Flame Spread 60 Smoke Developed
	Assembly Flame Propagation	NFPA 285	Pass	Multiple Assemblies
PHYSICAL PROPERTIES	Skin over time	50% R.H. @ 70°F	-	1-2 hrs.
	Volatile Organic Compounds (VOC)	ASTM C1250	-	<40 g/L
	Solids	ASTM D2369	-	97%
	Hardness	ASTM D2240	Shore A	32
	Elongation	ASTM D412, die C	≥350%	Pass
	Peel Adhesion	ASTM C794	≥5 pli	Pass
	Pull Adhesion	ASTM D4541	≥16 psi	Pass
	Low Temperature Crack Bridging Ability	ASTM C1305	No visible cracking	Pass @ 20 mils
	Weathering	ICC-ES AC212 AATCC	55cm for 5 hrs	Pass
	Freeze-Thaw Resistance	ASTM E2484 Method A	No cracking, crazing, or erosion	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.