



Rub-R-Wall® Airtight Vapor Permeable (VP) Air Barrier System

We can't stop the rain, but we can create a barrier.

Rubber Polymer Company

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Description

BASIC USE AND APPLICATIONS

Rub-R-Wall® Airtight Vapor Permeable (VP) Air Barrier System is a fluid applied acrylic membrane that cures to form a seamless membrane around the building envelope for all types of cavity wall construction. It is designed to stop air infiltration and exfiltration while allowing the transmission of water vapor to prevent condensation in the wall assembly. It adheres fully to CMU, concrete, exterior sheathing and most other building materials.

It may be used in tested NFPA 285 assemblies.

LIMITATIONS

Do not apply Airtight VP when temperatures below 40°F are expected within 24 hours. Do not apply during wet conditions.



Rub-R-Wall® Airtight VP Benefits

- **SPRAY APPLIED** – Monolithic membrane, low cost simplified application.
- **BREATHABLE** – High water vapor permeance allows the transmission of water vapor through the building envelope.
- **AIRTIGHT** – Stops air infiltration and exfiltration.
- **UV RESISTANT** – Can be left permanently exposed to sunlight.
- **ADHESION** – Adheres fully to CMU, concrete, wood, OSB, exterior drywall, metal and other construction surfaces.

ACCESSORIES

- **Primer:** Rub-R-Wall® SA Primer, single-component, elastomeric compound.
- **Substrate Repair Materials:** Rub-R-Wall® VP Mastic, heavy-bodied rubber mastic.
- **Reinforcing Strips:** Rub-R-Wall® SA Sheet Membrane, self-adhering SBS-modified-bitumen sheet membrane, 40 mil thickness.

Storage and Handling

Airtight VP should be stored at temperatures above 50°F. For detailed information refer to Material Safety Data Sheet (MSDS) and safety and application information in Rubber Polymer Company's "Operation, Safety and Procedure Guideline Manual."

Application

All surfaces must be free from dust, dirt, frost, grease or other contaminants. Surfaces should be structurally sound and relatively smooth.

Concrete - Must cure for at least 24 hours before application of membrane materials

CMU – Small voids, cracks in mortar joints should be filled with Rub-R-Wall VP Mastic prior to spray application.

Exterior Sheathing – Fasteners should be driven flush with wall panel surface. The joints should be taped with 2" wide exterior sheathing tape prior to spray application.

Application should be made in multiple passes to achieve a wet film thickness of 60 mils for non-porous substrate and 80 mils for porous block. Measurement can be made using a wet film thickness gauge. Allow a minimum of 24 hours for membrane to fully cure.

Availability

Since 1992, Rubber Polymer Company has delivered the highest quality products for the waterproofing industry for thousands of building products all over the United States and Canada. Contact Rubber Polymer Company for availability near you.

Technical Services

Detailed information including product literature, test reports, installation instructions, and special applications is available. Please speak to a technical representative.

Available Resources

Section guide specification for products in CSI 3-part format is available from Rubber Polymer Company.

Sustainable Design Contributions

Rub-R-Wall® Airtight Vapor Permeable (VP) Air Barrier provides energy efficiency earning points towards LEED Certification for Optimizing Energy and Performance.

Referenced Standards

ASTM International

- ASTM C836/C836M - Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course.
- ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension.
- ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials.
- ASTM E2178 - Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials.

Rub-R-Wall® VP Physical Properties		
Water Vapor Permeance	ASTM E96/E96M (B)	12 perms
Elongation	ASTM D412	1,000%
Tensile Strength	ASTM D412	300 psi
Low Temp Flexibility	ASTM C836/C836M	Pass at -26 deg. C
Crack Bridging	ASTM C836/C836M	Pass at -26 deg. C
Air Leakage Rating	ASTM E2178	>0.004 cfm/sq. ft.
Solids		55%

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