

PRODUCT DATA SHEET

Rub-R-Wall® Airtight VP Vapor Permeable Air/Moisture Barrier

Description

Rub-R-Wall Airtight VP is a fluid applied acrylic membrane that cures to form a seamless membrane around the building envelope.

Basic Use

Rub-R-Wall Airtight VP is intended as a breathable air/moisture barrier for all types of cavity wall construction. VP has been formulated to protect the building envelope from air infiltration and exfiltration, while allowing the transmission of water vapor to prevent condensation in the wall assembly.

Features

- **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
- **VOC CONTENT** – Less than 20 g/l

Limitations

Do not apply Airtight VP when temperatures below 40°F are expected within 24 hours. Do not apply during wet conditions. Airtight VP should be stored at temperatures above 32°F.

Packaging

Available in 5 gallon pails, 55 gallon drums and totes

Surface Preparation

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

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.

Details

Prior to applying Rub-R-Wall Airtight VP, detailing around window and door openings and transitioning between dissimilar materials must occur. Apply a minimum of 6" strip of Rub-R-Wall SA (self-adhering) membrane over the detail area to provide a continuous membrane. All areas should be primed with SA Primer prior to receiving the SA membrane.

Application

Rub-R-Wall Airtight VP can be spray applied with an airless sprayer or brushed. The application rate is 25 to 30 sq. ft. / gal to achieve 60 to 80 mils wet (30 to 40 mils dry). The use of a wet mil gauge will aid in achieving the proper millage.

Apply at ambient temperatures 40 °F or higher. Under normal conditions the product will be dry to the touch in 2 to 4 hours and fully cured within 24 hours.

Clean Up

Rub-R-Wall Airtight VP is water-based and can be cleaned with water before fully curing. Cured material can be cleaned with a light solvent such as mineral spirits (review MSDS prior to using any solvent).

Physical Properties

| <u>Property</u> | <u>Test Method</u> | <u>Result</u> |
|-----------------------|--------------------|---------------|
| Water Vapor Permeance | ASTM E96 (B) | 12 perms |
| Elongation | ASTM D412 | 1,000 % |
| Tensile Strength | ASTM D412 | 300 psi |
| Low Temp Flexibility | ASTM C836 | Pass |
| @ -26 °C | | |
| Crack Bridging | ASTM C836 | Pass |
| @ -26 °C | | |
| Solids | | 55% |
| Color | | Yellow |

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