



3M™ Vapor Permeable Air Barrier 3015VP

Last Revision Date: August, 2017

Product Description

3M™ Vapor Permeable Air Barrier 3015VP is a water vapor permeable, air and water impermeable membrane with an aggressive, high-tack acrylic adhesive that does not require the use of a primer on most construction surfaces.

Product Features

- Meets the requirements of ASTM E2178 and CAN/ULC S741-8.
- Passes NFPA 285 as part of various exterior wall constructions.
- Service temperature from -40° to 240°F (-40° to 116°C).
- Can be applied to substrates from 0° to 150°F (-18° to 66°C).
- Permeable to water vapor, impermeable to air and water.
- Resists UV exposure for up to 12 months.
- Compatible with many building sealants: No adverse reaction with synthetic rubber, butyl, polyurethane, silicone and silane terminated hybrid sealants.
- Excellent adhesion to concrete, concrete block, anodized aluminum, galvanized metal, plywood and most exterior grade fiberglass matt gypsum boards without the use of any primer. Contact your local 3M Sales Representative or refer to the Technical Bulletins for details.
- Adhesive provides a unique combination of both cold and hot temperature adhesion to most substrates, which can extend the construction season in many climates.
- Unique adhesive even adheres to damp surfaces that have not absorbed water, like metals, glass and plastics.
- Seals around nails and staples to prevent moisture intrusion.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values	Additional Information
Backing	Elastomeric Coated Nonwoven	

Adhesive Type	Acrylic Pattern Coated
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Liner	Polyester
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Liner Thickness	0.078 mm
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Color	White
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Liner Thickness	3 mil
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Water Vapor Transmission	12 Perms	View 
Test Method: ASTM E96		
Water Vapor Transmission	17 Perms	View 
Test Method: ASTM E96		
Nail Sealability	Dry/Pass	View 
Test Method: ASTM D1970		
Environmental Condition: 127 mm(5 inches) water head after 3 days		
Wall Assembly Fire Test	Pass	View 
Test Method: NFPA 285		
Notes: Pass as part of various assemblies with foam plastic insulation		
Lap Adhesion	5.5 N/cm	View 
Test Method: ASTM D3330		
Lap Adhesion	50 oz/in	View 
Test Method: ASTM D3330		
Total Thickness	0.5 mm	View 
Test Method: ASTM D3652		
Test Name: Coated Membrane		
Total Thickness	15 mil	View 
Test Method: ASTM D3652		
Test Name: Coated Membrane		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	8.1 MPa	View 
Test Method: ASTM D882		
Test Name: Coated Membrane		
Tensile Strength	1177 lb/in²	View 
Test Method: ASTM D882		
Test Name: Coated Membrane		

Elongation at Break	40 %	View 
Test Method: ASTM D882		
Surface Burning Characteristics	5	View 
Test Method: ASTM E84		
Test Name: Flame Spread Index		
Surface Burning Characteristics	0	View 
Test Method: ASTM E84		
Test Name: Smoke Developed Index		
Surface Burning Characteristics	Class A	View 
Test Method: ICC AC 38		
Test Name: Rating		

Storage and Shelf Life

Optimum storage conditions are 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material. To obtain best performance, use this product within 24 months from date of manufacture.

Industry Specifications

CAN/ULC S741-8

Bottom Matter

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Trademarks

3M is a trademark of 3M Company.

Handling/Application Information

Application Techniques

Refer to 3M™ Air Barrier 3015VP Specification Guide for detailed application information.

- Remove outer protective film to expose adhesive surface.
- Must be lapped a minimum of 2" on sides and ends. Remove protective film cover before installing the next layer.
- No primer is needed on most construction surfaces.
- The adhesive is very aggressive and quickly bonds to substrates. Do not contaminate the adhesive area with dust or debris before applying it to the intended surface. Be careful when aligning product on the wall as repositioning may be challenging.
- Once aligned, set the membrane in place by rolling the product back against the exposed adhesive. Unwind the roll while maintaining pressure against the wall to tack the membrane in place. Wipe the membrane down with a feathering motion from the middle outward to obtain a smooth surface. For best air barrier membrane performance, roll the membrane with a rubber roller to ensure a tight seal against the wall and between overlapped edges.
- Remove film covering membrane.

- Detail work must be carefully executed to ensure a continuously sealed building envelope.
- Rough openings may be flashed with detail widths of 3M™ Air and Vapor Barrier 3015.

Surface Preparation

To obtain the best adhesion, 3M™ Air Barrier 3015VP should be installed when outdoor temperatures range from 0°F (-18°C) to 150°F (66°C).

- Surfaces should be clean, free from dirt and debris and have not absorbed water.
- Surfaces should be free of any damaged, unsupported areas, sharp protrusions or voids.
- Concrete must be cured a minimum of 7 days before application.
- Block or brick walls should have mortar joints stuck flush.
- While it can be applied as low as 0°F (-18°C), surfaces must be clear of snow, ice or frost.
- Adheres to most common building materials. For difficult to stick to surfaces, test adhesion before application. If needed, apply 3M™ Hi-Strength 90 Spray Adhesive, 3M™ Hi-Strength 94 ET Spray Adhesive, 3M™ Holdfast 70 Spray Adhesive or 3M™ Fastbond™ Contact Adhesive 30NF to prime the substrate prior to applying the membrane. Products are available as either an aerosol or cylinder spray adhesive.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40069713/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3015VP

Family Group

Link Tags:

- 3015VP

Products	Backing	Adhesive Type	Liner	Liner Thickness	Color
3015VP	Elastomeric Coated Nonwoven	Acrylic Pattern Coated	Polyester	0.078 mm	White

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Information

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