SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
산업용 소재 · 건축자재
제품 제안부터 공급·시공·설치·교육까지



COMPANY INFORMATION

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TECHNICAL DOCUMENTS

인증서 · 데이터시트 · 기술자료

제품의 규격과 성능, 인증 및 적용 조건을 확인하기 위한 자료입니다.

ABOUT SNAPSHOOT

제품 공급을 넘어, 현장에 맞는 해결책으로

스냅슛은 산업현장의 작업 환경과 요구 조건을 바탕으로
적합한 제품과 시스템을 제안합니다. 현장 실사를 통해 설치 조건을 확인하고,
공급부터 시공·설치 및 사용 교육까지 필요한 과정을 함께합니다.

추락방지 시스템

안전대부착설비 · 수평·수직 라이프라인
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데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

산업용 소재·건축자재

산업용 테이프 · 접착제 · 기능성 소재
구조용 스크류 · 목조건축 자재

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홈페이지 바로가기 →
문서 라이브러리 바로가기 →
시공사례 바로가기 →
문의하기 →

본 페이지는 스냅슛의 자료 제공 안내용 표지입니다. 첨부된 인증서 및 기술자료의 발행 주체, 인증 대상과 적용 범위는 해당 원문을 기준으로 확인해 주세요.



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Technical Data Sheet

3M™ Air Barrier with Permeable Backing 3015VP

Additional Info

Product Description

3M™ Vapor Permeable Air Barrier 3015VP is a water vapor permeable, air and water impermeable membrane with a reposionable acrylic adhesive that builds to full strength over time. The membrane does not require the use of a primer on most construction surfaces.

Product Features

• Meets the requirements of ASTM E2178 and CAN/ULC S741.
• Passes Water Resistance Test AATCC (55 cm of water for 5 hours).
• Passes Low Temperature Flexiblily after 4 hours at -29C as per ASTM D1970 Sec 7.6
• 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. See 3M™ Air Barrier Compatibility Listing Technical Bulletinfor the latest details.
• Excellent adhesion to concrete, concrete block, anodized aluminum, galvanized metal, plywood and most exterior grade fiberglass mat gypsum boards without the use of any primer. See 3M™ Air Barrier Compatibility Listing Technical Bulletinfor the latest 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.
Clear liner leaves adhesive exposed to simplify installation.
• Adhesive is initially repositionable to simplify installation. Adhesive strength builds over time once pressure is applied.
• 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

Attribute Name	Test Method	Value
Color		White with red print
Adhesive Type		Acrylic
Backing		Elastomeric Coated Nonwoven
Total Thickness (Coated Membrane)	ASTM D3652	0.32 mm (12.6 mil)
Liner		Polyester

Attribute Name	Test Method	Environmental Condition	Test Condition	Value
Water Vapor Transmission	ASTM E96		Wet Cup	13
Water Vapor Transmission	ASTM E96		Dry Cup	10
Wall Assembly Fire Test	NFPA 285			Pass [1]

Attribute Name	Test Method	Environmental Condition	Test Condition	Value
Nail Sealability	ASTM D1970	127 mm(5 inches) water head after 3 days		Dry/Pass
Air Leakage of assembled wall	ASTM E2357		Opaque wall @ 75 Pa(0.3 in/wg.)	.0435 L/s/m² (0.0087 cfm/ft²)
Air Leakage of assembled wall	CAN/ULC S742			0.0409 L/s/m² (0.0082 cfm/ft²) [2]

[1] Pass as part of various assemblies with foam plastic insulation

[2] Penetrated wall @ 75 Pa(0.3 in/wg.)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Substrate	Value
Elongation at Break	ASTM D882				40 %
Tensile Strength (Coated Membrane)	ASTM D882				4.6 N/mm (26.1 lb/in)
Lap Adhesion	ASTM D3330				0.91 N/mm (83 oz/in)
180° Peel Adhesion	ASTM D3330	24 h	23 °C (73 °F)	Concrete	.4 N/mm (37 oz/in) [1]
180° Peel Adhesion	ASTM D3330	24 h	23 °C (73 °F)	Exterior Grade Gypsum Board	.62 N/mm (57 oz/in) [1]

[1] 300 mm/min (12 in/min)

Attribute Name	Test Method	Value
Flame Spread Index	ASTM E84	10
Smoke Developed Index	ASTM E84	40
Flame Spread Index	CAN/ULC S102	15
Smoke Developed Index	CAN/ULC S102	15
Rating	ICC AC 38	Class A

Handling/Application Information

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 not have 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 tooled or stuck flush.
• While it can be applied as low as 0°F (-18°C), surfaces must be clear of snow, ice or frost.

Application Techniques

• Refer to 3M™ Air Barrier 3015VP Installation Guide for detailed application information.
• 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.
• Once aligned, 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. 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™ Non-Permeable Air Barrier 3015NP, 3M™ Through Wall Flashing 3015TWF, 3M™ Ultra Conformable Flashing Tape 3015UC, or 3M™ Vapor Permeable Air Barrier 3015VP.

Industry Specifications

CAN/ULC S741

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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