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
레일 시스템 · 리지드 포스트

밀폐공간 진입·구조 솔루션

데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

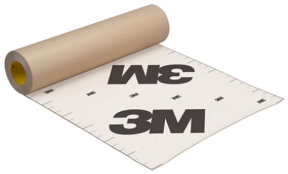
산업용 소재·건축자재

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

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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.



3M Science. Applied to Life.™

English-US

Last Revision Date: April, 2025

Supersedes: July, 2024

Technical Data Sheet

3M Non-Permeable Air Barrier 3015NP

Product Details

Product Description

3M™ Air and Vapor Barrier 3015NP is a non-permeable membrane with an agressive, high-tack acrylic adhesive that does not require the use oa primer on most construction materials. It even adheres to damp surfaces. This product uses a specially formulated acrylic adhesive that sticks and stays stuck at a wider range to temperatures than traditional air barrier products. The propriatary film backing seals around hand driven nails and staples to prevent moisture instrustion. This film is also tough, resists punctures and tears, yet can be tucked tightly into corners. Both the film and the adhesive are widely compatible with most construction materials.

Product Features

• Meets the requirements of ASTM E2178 and CAN/ULC S741.
• 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).
• Resists UV exposure for up to 12 months.
• Compatible with most building sealants: synthetic rubber, butyl, polyurethane, silicone and silane terminated hybrid sealants. See **3M™ Air Barrier Compatibility Listing Technical Bulletin** for the latest details.
• 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. See **3M™ Air Barrier Compatibility Listing Technical Bulletin** for 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.
• 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.

• Robust film helps resist bunching around screws.

• Class A fire rating building material with low flame spread and smoke development.

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	Value
Color	White
Adhesive Type	Acrylic
Backing	Multi-Layer Film
Liner	Polycoated Kraft

Attribute Name	Test Method	Environmental Condition	Test Condition	Value
Water Vapor Transmission	ASTM E96		Wet Cup	4.90 ng/s/m²/Pa (0.09 US Perms)
Water Vapor Transmission	ASTM E96		Dry Cup	5.59 ng/s/m²/Pa (0.10 US Perms)
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

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

Attribute Name	Test Method	Test Condition	Value
Air Permeance of membrane	CAN/ULC S741		0.002 L/s/m² [1]
Air Leakage of assembled wall	ASTM E2357	Opaque wall @ 75 Pa(0.3 in/wg.)	0.005
Air Leakage of assembled wall	CAN/ULC S742		0.011 L/s/m² [2]
Air Leakage of assembled wall	ASTM E2357	Penetrated wall @ 75 Pa(0.3 in/wg.)	0.006
Air Leakage of assembled wall	CAN/ULC S742		0.014 L/s/m² [3]

[1] @ 75 Pa(0.3 in/wg.)
[2] Penetrated wall @ 75 Pa(0.3 in/wg.)
[3] Opaque wall @ 75 Pa(0.3 in/wg.)

Typical Performance Characteristics

Attribute Name	Test Method	Substrate	Value
Lap Adhesion	ASTM D3330		1.18 N/mm (6.74 lb/in)
Elongation at Break	ASTM D882		>700 %
Tensile Strength (Coated Membrane)	ASTM D882		14.8 MPa (2153 lb/ft²)
Pull Adhesion	ASTM D4541	Concrete	151 kPa (22 lb/ft²)
Pull Adhesion	ASTM D4541	Plywood	167 kPa (24 lb/ft²)
Pull Adhesion	ASTM D4541	OSB	111 kPa (16 lb/in²)
Pull Adhesion	ASTM D4541	Exterior Gypsum Board	179 kPa (26 lb/in²)
180° Peel Adhesion	ASTM D903	Concrete	1.12 N/mm (6.4 lb/in)
180° Peel Adhesion	ASTM D903	Plywood	0.93 N/mm (5.31 lb/in)
180° Peel Adhesion	ASTM D903	OSB	1.03 N/mm (5.88 lb/in)
180° Peel Adhesion	ASTM D903	Exterior Gypsum Board	0.91 N/mm (5.2 lb/in)

Attribute Name	Test Method	Value
Flame Spread Index	ASTM E84	10
Smoke Developed Index	ASTM E84	0
Rating	ICC AC 38	Class A
Flame Spread	CAN/ULC S102	5
Smoke Developed Index	CAN/ULC S102	0

Handling/Application Information

Surface Preparation

• To obtain the best adhesion, 3M™ Air and Vapor Barrier 3015NP 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 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. • 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.

Application Techniques

Refer to 3M™ Air and Vapor Barrier 3015NPInstallation Guide for detailed application information.

• Must be lapped a minimum of 2" on sides and ends.
• 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.
•This product uses a pressure sensitive adhesive. Use hand applied pressure to "tack" the product into place. Follow by applying firm pressure with a roller or plastic squeeqee.
• Detail work must be carefully executed to ensure a continuously sealed building envelope.

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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