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

스냅슛 (SNAPSHOOT)

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

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English-US

Last Revision Date: February, 2021

Technical Data Sheet

3M™ VentureClad™ Insulation Jacketing System 1579GCW-WME

Product Description

3M™ VentureClad™ Insulation Jacketing System is a heavy duty, zero permeability, all weather, multi-layered laminate coated with an aggressive cold weather acrylic adhesive. Superior resistance to weathering, UV and extreme environmental conditions. Designed for use as a vapor barrier for insulation cladding and jacketing applications. Available in both flat and embossed.

Product Features

- Superior adhesion in cold or hot and humid conditions
- Aggressive acrylic adhesive offers instant adhesion in temperatures as low as -10°F (-23°C)
- Zero permeability vapor barrier for insulation cladding and jacketing applications
- Reinforced for very high puncture and tear resistance to ensure long life and durability
- Flexible and strong
- Cuts and installs easily on-site, no special tools required
- Available in multiple colors

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
Embossed		Yes
Puncture		253 N (57 lb)
Thickness		0.4 mm (16 mil)
Water Vapor Transmission	ASTM E96	0 US Perms

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Value
180° Peel Adhesion	ASTM D3330	1 min	22 °C (72 °F)	126 oz/in [1]
Elongation at Break				64 %
Tensile Strength				322.233312 N/cm (184 lb/in)
Emittance				0.8

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

Attribute Name	Value
Long Term Temperature Resistance	120 °C (248 °F) [1]
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) [1]

[1] Long Term (day, weeks)

Typical Environmental Characteristics

Chemical and Environmental Exposure

Acids	Acetic acid (all concentrations)	Resistant
	50% formic acid	Resistant
	10% hydrochloric acid	Resistant
	30% hydrochloric acid	Partially resistant
	10% and 35% hydrofluoric acid	Resistant
	10% nitric acid	Resistant
	65% and 100% nitric acid	Not resistant
	30% and 85% phosphoric acid	Resistant
	20% sulphuric acid	Partially resistant
	Sulphur dioxide gas, dry	Resistant
	80% and above sulphuric acid	Not resistant
Aldehydes	Acetaldehyde	Resistant
	Formaldehyde	Resistant
Aqueous Alkaline Solutions	Ammonium hydroxide	Not resistant
	Calcium hydroxide	Partially resistant
	Sodium hydroxide	Not resistant
Chlorinated Hydrocarbons	Carbon tetrachloride	Partially resistant
	Chlorinated biphenyls	Partially resistant
	Chloroform	Resistant
	Trichloroethylene	Resistant
Esters	Ethyl acetate	Resistant
Hydrocarbons	Aliphatic hydrocarbons	Resistant
	Benzene	Resistant
	Gasoline (petrol)	Resistant
	Mineral oils	Resistant
	Toluene	Resistant
	Xylene	Resistant
Miscellaneous Substances	Chlorine	Resistant
	Hydrogen peroxide	Resistant
	Oxygen	Resistant
	Water*	Resistant
Other Organic Solutions	Acetone	Resistant
	Diethyl ether	Resistant
	Nitrobenzene	Not resistant
	Phenol	Not resistant
Salt Solutions	Alkaline carbonates	Resistant
	Bichromates	Resistant
	Cyanides	Resistant
	Fluorides	Resistant

*Chemical resistance info based in part on third party test data of the product backing.

Environmental Resistance

Excellent

Certifications/Standards

Certifications

Product	1579GNA	1579GCW	1579GCW-E	1579GCW-WM	1579GCW-WME
Color	Natural Aluminum	Natural Aluminum	Natural Aluminum	White	White
Embossed	No	No	Yes	No	Yes
Product Thickness	12.5 mils (0.32 mm)	15 mils (0.38 mm)	16 mils (0.40 mm)	15 mils (0.38 mm)	16 mils (0.40 mm)
Peel Adhesion	NA	87 oz/in (24 N/25 mm)	73 oz/in (20 N/25 mm)	102 oz/in (28 N/25 mm)	126 oz/in (35 N/25 mm)
Tensile Strength	155 lb/in (690 N/25 mm)	155 lb/in (690 N/25 mm)	149 lb/in (663 N/25 mm)	184 lb/in (818 N/25 mm)	184 lb/in (818 N/25 mm)
Elongation	35%	70%	60%	64%	64%
Chemical Resistance	Good	Good	Good	Excellent	Excellent
WVTR	0.00 perm	0.00 perm	0.00 perm	0.00 perm	0.00 perm
Service Temperature	-94°F to 300°F (-70°C to 149°C)	-40°F to 300°F (-40°C to 149°C)	-40°F to 300°F (-40°C to 149°C)	-40°F to 248°F (-40°C to 120°C)	-40°F to 248°F (-40°C to 120°C)
Puncture	41 lbs (182 N)	47 lbs (210 N)	49 lbs (218 N)	57 lbs (252 N)	57 lbs (253 N)
Emmitance	0.03	0.03	0.03	0.8	0.8
Passes ASTM C1775 Specification for Laminate Protective Jacketing for Outdoor Applications		X	X		
ASTM E84 (Flame / Smoke Rating)		20 / 15	20 / 15	20 / 25	20 / 25
UL723 Classified Flame Smoke Rating (UL file #R10984)		25 / 60			
U.S. Coast Guard approval	X	X	X	X	X
IMO Resolution MSC.307(88) Annex1, Part 5 and Part 2	X	X	X	X	X
IMO Resolution MSC 61 (67) Annex 1: Part 5	X	X	X	X	X

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 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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