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.

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홈페이지 바로가기 →
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문의하기 →

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English-US

**Last Revision Date:** May, 2024

# Technical Data Sheet

3M™ VentureClad™ 1577CW-EMJ Insulation Jacketing Tape

Product Details

Regulatory Info/SDS

## Product Description

3M™ VentureClad™ Insulation Jacketing System is a zero permeability, all weather, multi-layered laminate coated with an aggressive cold weather acrylic adhesive. Excellent resistance to weathering, fungi, 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

- Excellent adhesion in cold or hot and humid conditions temperatures.
- Bonds and seals at temperatures as cold as -10°F (-23°C).
- Zero permeability vapor barrier for insulation cladding and jacketing applications
- High puncture and tear resistant ensures longevity and durability
- Flexible and strong.
- Cuts and installs easily on-site, no special tools required.

## 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 | | Silver |
| Embossed | | No |
| Total Tape Thickness | ASTM D3652 | 0.18 mm (7 mil) |
| Water Vapor Transmission | ASTM E96 | 0 US Perms |
| Puncture | | 156 N (35 lb) |

## Typical Performance Characteristics

| Attribute Name | Test Method | Dwell Time | Temperature | Test Condition | Value |
|---|---|---|---|---|---|
| 180° Peel Adhesion | ASTM D3330 | 1 min | 22 °C (72 °F) | | 8.8 N/cm (80 oz/in) [1] |
| Tensile Strength | ASTM D882 | | | Machine Direction | 10.6 N/cm (100 lb/in) |

[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 | 1577CW-EMJ | 1577CWE-EMJ | 1577CW-WM | 1577CW-WME |
|---|---|---|---|---|
| ASTM E84 Flame/Smoke Rating | | | 25/45 | 25/45 |
| UL723 Classified Flame/Smoke Rating (UL file #R10984) | 25/25 | 25/25 | | |
| CAN/ULC S102 Classification Flame/Smoke Rating | | 15/20 | 25/25 | |
| Meets FDA Compositional requirements for indirect food contact (21 CFR 175.105 and 21CFR175.125; FDA: Indirect Food Additives: Adhesives and Components of coatings) | X | X | X | X |
| Approved by Canadian Food Inspection Agency for use in food processing facilities as vapor barrier for insulation cladding and jacketing | X | X | X | X |
| Contains Mold Inhibiting Agents | X | X | | |
| Passes ASTM C1338 Fungi Resistance Testing | X | X | X | X |
| U.S. Coast Guard Approval | X | X | X | X |
| IMO Resolution A653 (16) | X | X | X | X |
| IMO Resolution MSC61 (67) Annex 2 IMO Resolution MSC 61 (67) Annex 1 Part 2 and Annex 2 | X | X | X | X |
| BS476 parts 6 & 7 Class "O" | | | X | X |

## Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 24 months from date of manufacture.

## Information

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## ISO Statement

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

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