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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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™ Neoprene Contact Adhesive 5

English-US

Last Revision Date: April, 2025

Supersedes: September, 2024

Product Details

Regulatory Info/SDS

Product Description

3M™ Neoprene Contact Adhesive 5 is a sprayable contact adhesive which may be used to bond many high-pressure plastic laminates to wood, particle- board, metal and other surfaces.

Product Features

- Sprayable.
- Fast drying.
- 60 minute bonding range.
- Excellent resistance to plastic flow (creep).

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 Uncured Physical Properties

Attribute Name	Value
Net Weight	0.77 — 0.81
Base	Polychloroprene

Typical Physical Properties

Attribute Name	Temperature	Value
Color		Green, Light Yellow
Solids Content by Weight		18 — 21 %
Solvent Resistance		Petroleum distillate, acetone, toluene and n-hexane
Coverage		5.7 [1]
Flash Point		-25 °C (-14 °F) [2]
Viscosity	27 °C (80 °F)	175 — 350 cP [3]

[1] @ 27 g/m² (2.5 g/ft²) dry

[2] TCC

[3] Brookfield Viscometer RVF #2 spindle @ 20 rpm

Attribute Name	Value
*Note	When bonding wood veneers, success is dependent on many variables such as environmental conditions, bonding process, type of base material, type of veneer, adhesive type and top coat finishing systems to name a few. It is the user's responsibility to thoroughly test any adhesive for its suitability in bonding wood veneers. It is also recommended to follow the veneer manufacturers recommendation and industry guidelines.

Typical Performance Characteristics

180° Peel Adhesion

Substrate: Canvas to Steel

Dwell Time	Temperature	Value
24 h	23 °C (73 °F)	17.5 N/cm (160 oz/in)
72 h	23 °C (73 °F)	21.0 N/cm (192 oz/in)
120 h	23 °C (73 °F)	24.5 N/cm (224 oz/in)
168 h	23 °C (73 °F)	31.5 N/cm (288 oz/in)
2 week	23 °C (73 °F)	31.5 N/cm (288 oz/in)
3 week	23 °C (73 °F)	33.300000000000004 N/cm (304 oz/in)
3 week	-34 °C (-29 °F)	28.9 N/cm (264 oz/in)
3 week	82 °C (180 °F)	12.299999999999999 N/cm (112 oz/in)

Overlap Shear Strength

Substrate: Birch to Birch
Temperature: 23 °C (73 °F)
Test Method: ASTM D1002, ISO 4587

Dwell Time	Test Condition	Value
2 week		841 N/cm (7680 oz/in) [1]
3 week		844 N/cm (7712 oz/in) [1]
3 week	-34 °C (-30 °F)	1857 N/cm (16960 oz/in) [1]
3 week	82°C (180 °F)	114 N/cm (1040 oz/in) [1]
3 week	107 °C (225 °F)	66.6 N/cm (608 oz/in) [1]

[1] 3 mm (1/8 in) thick substrates

Handling/Application Information

Directions for Use

Working Temperature
1. The temperature of the adhesive and surfaces to be bonded should be at 65°F (18°C) or above.
2. Warm the can of adhesive by placing in a warm room, not in stove, oven or other possible ignition source.
3. If the room must be warmed, turn off the heater before opening container.
4. Leave heater off until all vapors are gone.
Application
1. Stir thoroughly before using.
2. Apply adhesive generously in a uniform film on both surfaces with either a fiber or animal hair brush, or pour and spread with paint roller (solvent resistant texturing type).
3. Porous surfaces may require 2 coats of adhesive.
4. A glossy film when completely dry indicates adequate adhesive.
5. Dull spots after drying indicate not enough adhesive; these spots must have another coat.
Assembly
1. Allow to dry until adhesive is no longer tacky (5-10 minutes).
2. Position surfaces carefully before assembly.
3. No adjustment is possible after contact.
4. Spacers such as dowels or strips of laminate, may be used to prevent premature adhesive/adhesive contact and bonding.
5. Slide out the spacers and apply uniform pressure, working toward the edges.
6. A 3 in roller used with maximum body pressure should be used to help ensure adequate contact and bonding, especially on the edges.
7. Bonded assemblies can be machined, trimmed or finished immediately after bonding.
Drying Time
1. Drying time depends on temperature, humidity, air movement and porosity of materials bonded.
Cleanup
1. Excess adhesive may be removed with a solvent such as methyl ethyl ketone.*
*When using solvents, extinguish all ignition sources, including pilot lights, and follow manufacturer’s precautions and directions for use.

Surface Preparation

Note: Read and follow precautions before using this product.
Surface Preparation
1. For best results all surfaces to be bonded should be dry and free from dirt, dust, oil, loose paint, wax, grease, etc.
2. Oil, grease and other contaminants can be removed by wiping with a solvent such as methyl ethyl ketone.*
3. If used for decorative laminate, laminate should have reached moisture equilibrium for the shop conditions.

Application Equipment

Note: Appropriate application equipment enhances adhesive performance. We suggest the following application equipment for the user's evaluation in light of the user's particular purpose and method of application.

1. Pumping: A 2:1 divorced design pump is suggested. Packings and glands, in contact with the adhesive, should be PTFE.
2. Pressure Pot: Any stainless steel or galvanized pressure pot with A.S.M.E. rating is acceptable to use with 3M™ Neoprene Contact Adhesive 5.
3. Spray Equipment:

Spray Gun	Air Cap	Fluid Tip	Atomizing Air Pressure	Approximate Air Requirement*	Fluid Flow**
Binks 62, 2001, 95	66PH	63BSS (.046")	85 psi	24 CFM	7.5 fl. oz./min.
DeVilbiss JGA, MSA	777	FX (.042")	85 psi	24 CFM	6 fl. oz./min.

Note: These adhesives are not recommended for Airless Spraying.
*3 H.P. Compressor for intermittent use. 5 H.P. Compressor for continuous use.
**To Measure Fluid Flow: Pressurize fluid source only; pull trigger, flow material into measuring device for 60 seconds, increase or decrease fluid source pressure to obtain desired fluid flow.
4. Hoses: All material hoses should be nylon or PVA lined.
5. Brush/Roller: Typical brushes/rollers designed for oil-based paint may be used.

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, unopened packaging, out of direct sunlight. Lower temperatures cause increased viscosity of a temporary nature. For best performance, use this product within 30 months from date of manufacture.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet for health and safety information before using this product. For additional health and safety information, call 1-800-364-3577

Automotive Disclaimer

Select Automotive Applications:
This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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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