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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밀폐공간 진입·구조 솔루션

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윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

산업용 소재·건축자재

산업용 테이프 · 접착제 · 기능성 소재
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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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English-US

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Technical Data Sheet

3M™ Neoprene Contact Adhesive 10

Product Details

Regulatory Info/SDS

Product Description

3M™ Neoprene Contact Adhesive 10 is a multi-purpose contact adhesive which may be used to bond plastic laminate, aluminum, steel, wallboard, wood, masonry, rubber and canvas.

Product Features

- Roll or brush-applied.
- Fast drying.
- Adhesion to a wide variety of materials.
- Excellent resistance to plastic flow (creep).
- 60 minute bonding range.
- Meets the specification requirements of MMM-A-121, MMM-A-130B, and A-A-1936A.

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	0.83 ± 0.02 kg/L (6.9 ± 0.2 lb/gal)
Base	Polychloroprene

Typical Physical Properties

Attribute Name	Temperature	Value
Color		Light Yellow (wet and dry)
Solids Content by Weight		21 — 25 %
Solvent Resistance		Petroleum distillate, acetone, toluene and n-hexane
Coverage		7.1 m^2/L (290 ft^2/gal) [1]
Flash Point		-25 °C (-14 °F) [2]
Viscosity	27 °C (80 °F)	450 — 700 cP [3]

[1] @ 27 g/m^2 (2.5 g/ft^2) 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: Cotton Duck to Cold Rolled Steel

Dwell Time	Temperature	Value
24 h	23 °C (73 °F)	18 N/cm (160 oz/in) [1]
72 h	23 °C (73 °F)	23 N/cm (210 oz/in) [1]
120 h	23 °C (73 °F)	30 N/cm (270 oz/in) [1]
168 h	23 °C (73 °F)	33 N/cm (300 oz/in) [1]
2 week	23 °C (73 °F)	39 N/cm (350 oz/in) [1]
3 week	23 °C (73 °F)	40 N/cm (370 oz/in) [1]
3 week	-30 °C (-22 °F)	49 N/cm (450 oz/in) (SF) [1]
3 week	82 °C (180 °F)	16 N/cm (140 oz/in) [1]

[1] AF: adhesive failure CF: cohesive failure SF: substrate failure

Overlap Shear Strength

Substrate: Birch Plywood
Temperature: 23 °C (73 °F)

Dwell Time	Test Condition	Value
2 week		300 N/cm² (430 lb/in²) (SF) [1]
3 week		300 N/cm² (430 lb/in²) (SF) [1]
3 week	-34 °C (-30 °F)	470 N/cm² (680 lb/in²) (SF) [1]
3 week	82°C (180 °F)	76 N/cm² (110 lb/in²) [1]
3 week	107 °C (225 °F)	48 N/cm² (70 lb/in²) [1]

[1] AF: adhesive failure CF: cohesive failure SF: substrate failure

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 the 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. Brushes: Use fiber or animal hair brushes. Do not use nylon or other synthetic fibers.
2. Rollers: Use solvent resistant paint rollers, designed for applying oil based paints.

Industry Specifications

MMM-A-121
MMM-A-130B
A-A-1936A

Storage and Shelf Life

Best storage temperature is 60-70°F (16-27°C). Continuous exposure to higher temperatures may cause some increase in viscosity. Quality is not affected until the adhesives becomes thickened so that it is difficult or impossible to spread. 3M™ Neoprene Contact Adhesive 10 will not freeze, but continuous exposure to low temperature will cause a considerable increase in viscosity. After storage at low temperatures and before using, the adhesive must be thawed and stirred vigorously until the entire container regains its original viscosity. The thawing process should be done at approximately room temperatures, never at elevated temperatures. Several days may be required for thawing – particularly with larger containers. Rotate stock on a "first in-first out" basis. When stored at the recommended conditions in the original, unopened container this product has a shelf life of 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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