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 →

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™ Industrial Adhesive 4550

Product Features

• 3M™ Industrial Adhesive 4550 is a sprayable, synthetic elastomer based adhesive for bonding many lightweight materials such as felt, cork, cardboard, and paper to metal and other substrates.
• Ideal for palletizing “all-plastic” shipping bags. Holds bags in place during storage and shipment. When unstacking, bags separate easily with no bag tearing.
• Fast tacking; ideal for low pressure spraying with minimal misting and cobwebbing. Offers high coverage and long bonding range.

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	6.4 — 6.6 lb/gal
Base	SBR

Typical Physical Properties

Attribute Name	Temperature	Value
Color		Translucent
Solids Content by Weight		36 — 38 %
Flash Point		-29 °C (-20 °F) [1]
Viscosity	27 °C (80 °F)	100-4,000 cP [2]

[1] TCC

[2] Brookfield Viscometer RVF #4 sp. @ 20 rpm

Typical Performance Characteristics

Substrate: Cotton Duck to Galvanized Steel
Temperature: 49 °C (120 °F)
Dwell Time: 72 h

Attribute Name	Value
180° Peel Adhesion	192 oz/in [1]

[1] 180° peel strength of cotton duck to galvanized steel bonds. The bonds were made by applying the adhesive to both surfaces, joining the surfaces. Scott Tensile Tester (2 in/min). 24 hr @ Room Temperature and 48 hr @ 120°F(49°C)

Handling/Application Information

Directions for Use

Palletizing Plastic Bags

1. Application: Spray a uniform line of adhesive down center of bag. Bags can be palletized immediately or within 5 minutes depending upon temperature, humidity and air movement. Best results are obtained if the bags are palletized when the adhesive is aggressively tacky.

2. Drying Time: Palletized bags may be handled immediately. Strength of bond increases over a period of 24 hours.

General Bonding
1. Surface Preparation: Surfaces must be clean, dry and dust free. Wiping with a solvent such as methyl ethyl ketone (MEK)* will aid in removing oil and dirt.

2. Application Temperature: For best results, the temperature of the adhesive and the surfaces being bonded should be at least 65°F (18°C).

3. Application: Stir or agitate well before using.

Porous Surface(s): Brush, spray, flow or roll a uniform coat on the least porous surface to be bonded. Bond immediately, applying pressure to ensure contact.
Non-Porous Surface(s) (or for higher immediate strength): Apply a uniform light coat on each surface. Allow the adhesive to dry until it is tacky. Then apply sufficient pressure to ensure intimate contact.
4. Cleanup: Excess adhesive may be removed with a solvent such as 3M™ Scotch- Weld™ Solvent No. 2.*

*Note: When using solvents, extinguish all ignition sources, including pilot lights, and follow manufacturer's precautions and directions for use.

Application Equipment

Note: Appropriate application equipment can enhance 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. All material hoses should be nylon or PVA lined. Packings and glands, in contact with the adhesive, should be PTFE.
2. Spray:
Production Type Spray Equipment

Spray Applicator	Air Cap	Fluid Tip	Air Pressure	Approximate Air Requirement*	Fluid Flow**
DeVibiss JGA	45	FF	25 psi	3 CFM	6-15 fl. oz./min.
Binks No. 95 or 2001	66S	63C	25 psi	3 CFM	6-15 fl. oz./min.
Flow Volume Spray Equipment					
DeVibiss MSA	944	F	25 psi		6-15 fl. oz./min.
Binks No. 370A	85F	85	25 psi		6-15 fl. oz./min.

*3/4 H.P. Compressor for intermittent use. (1/3 H.P. for low volume) 1 H.P. Compressor continuous use. (1/3 H.P. for low volume)
**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.

3. 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 18 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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