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)

ADDRESS (15431) 경기도 안산시 단원구 풍전로 37-9 트리플렉스 301동 118호
TEL 0507-1374-9229
FAX 0504-481-6749
E-MAIL bkkim@snapshoot.co.kr

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.



English-US

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Supersedes: June, 2024

Technical Data Sheet

3M™ Weatherban™ Acrylic Sealant 606-NF

Regulatory Info/SDS

Product Description

3M™ Weatherban™ Acrylic Sealant 606-NF is an excellent, synthetic, multipurpose, water-dispersed sealant. A multi-purpose product ideal for many interior and exterior sealing applications. Can be applied with most conventional caulking guns or pressurized flow equipment. Seals many metal, wood, painted or primed surfaces, and certain abraded plastics.

Product Features

Non-Flammable When Wet. A water-dispersed product.
Easy Handling. Spreads easily like whipped butter. Can be readily “struck” with a wet spatula, easily smoothed to a feather edge. Will not sag out of vertical seams or gaps.
Non-Stringing. Beads cut off cleanly.
Fast Tack-Free Time. Typically skins over in 20-40 minutes. Helps prevent dirt pick up. Allows rapid paint over. No staining, no bleed through even with white enamels or lacquers.
Permits Weld-Through. Can be used as a “weld-through” sealer using conventional spot welding equipment.
Low Shrinkage. High solids content.
Tough, Yet Flexible. Sets firm, stays flexible to provide a rubber-like, water resistant seal.
Long Lasting. Excellent aging qualities help prevent cracking, chipping or peeling.
Versatile. Good freeze/thaw stability in the container.

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
Base	Synthetic Elastomer (acrylic)
Net Weight	12.3 — 13.6 lb/gal
Consistency	Pumpable Paste

Typical Physical Properties

Attribute Name	Value
Color	White
Solids Content by Weight	Water %
Caulk Rate	2,000 g/min [1]
Weather Resistance	Large beads of 3M™ Weatherban™ Acrylic Sealant 606-NF were aged on automotive steel panels for 1000 hours in a Sunshine Arc Weatherometer and for two years of outdoor weathering in Florida with only slight surface yellowing observed.
Weld-Through Properties	Can be successfully spot welded through if the spot welder is of the type that has an electrode on either side of the joint being joined.

[1] Extrustion Test – 1/4 in. diam. orifice @ 25 psi

Typical Performance Characteristics

180° Peel Adhesion

Dwell Time: 72 h

Substrate	Value
Aluminum	8.8 N/cm (80 oz/in) (Cohesive) [1]
Anodized Aluminum	10.5 N/cm (96 oz/in) (Cohesive) [1]
Baked Enamel	1.8 N/cm (16 oz/in) (Adhesive) [1]
Ceramic Tile - Glass Surfaces	12.3 N/cm (112 oz/in) (Cohesive) [1]
Ceramic Tile - Porous Surfaces	14 N/cm (128 oz/in) (Cohesive) [1]
Cold Rolled Steel	14 N/cm (128 oz/in) (Cohesive) [1]
Concrete	10.5 N/cm (96 oz/in) (Cohesive) [1]
Fir	8.880 N/cm (8080 oz/in) (% Wood Failure) [1]
Galvanized Steel	8.880 N/cm (8080 oz/in) (% Adhesive) [1]
Glass	10.5 N/cm (96 oz/in) (Cohesive) [1]
Marine Fiberglass	10.5 N/cm (96 oz/in) (Cohesive) [1]
Oak	14 N/cm (128 oz/in) (Cohesive) [1]
Rigid Vinyl	12.3 N/cm (112 oz/in) (Cohesive) [1]
Stainless Steel	14 N/cm (128 oz/in) (Cohesive) [1]

[1] Canvas to substrate, Dwell of 24hr @ 75°F + 48hr @ 160°F, Scott Tester, 180° peel, 2 in/min. Note: 606-NF loses adhesion after 2hr water submersion. Adhesion loss should not result from occasional wetting or high humidity.

Attribute Name	Value
Temperature Use Range note	Retains its flexibility at temperatures as low as -28°F (-33°C) and up to 180°F (82°C).

Elongation

Dwell Time	Temperature	Test Condition	Value
	23 °C (73 °F)		160 % [1]
	49 °C (120 °F)		175 % [1]
	60 °C (140 °F)		165 % [1]
	70 °C (160 °F)		150 % [1]
	93 °C (200 °F)		130 % [1]
	121 °C (250 °F)		110 % [1]
7 d	82 °C (180 °F)	23 °C	175 % [2]
14 d	82 °C (180 °F)	23 °C	150 % [2]
30 d	82 °C (180 °F)	23 °C	175 % [2]
60 d	82 °C (180 °F)	23 °C	150 % [2]

[1] Free cured films gave the following properties when pulled at different temperatures using an Instron tensile tester.

[2] Similar films were aged at 180°F (82°C) and then tested at 75°F (24°C).

Handling/Application Information

Directions for Use

Surface Preparation: To obtain maximum sealing efficiency, the surface to which the sealer is applied must be clean, free of moisture and loose particles. Masonry surfaces should be brushed free of loose dust. If necessary, metal surfaces should be wiped with solvent such as 3M™ Scotch-Grip™ No. 3 Solvent followed by wiping with a clean, dry cloth.*
Application:3M™Weatherban™ Acrylic Sealant 606-NF applies easily, can be painted over within 20-30 minutes after application and dries to a tough, flexible, rubber-like bead. When dry, it resists water, vibration, heat, cold, and adheres well to many bare metal, primed metal and painted surfaces. Ideal for sealing many interior or exterior joints and can be smoothed to a feather edge using a wet spatula.
Material will form a plug in the nozzle of partly used cartridges. Plug is easily removed allowing usage of remaining material.
Cleanup: Wet sealant can be readily cleaned up with water. For removal of dried sealer from tools and equipment, the use of solvent such as 3M™ Scotch-Grip™ Solvent No. 2 is suggested.* Dried excess sealant from application sites may be removed by scraping with a sharp spatula followed by wiping with a cloth or hot, soapy water and a coarse cloth.
Drying Rate: At 75°F (24°C) and 50% relative humidity, will generally dry “tackfree” to the touch in less than one-half hour. Drying time will vary with atmospheric conditions and joint design.
*Note: When using solvents, extinguish all ignition sources, including pilot lights, and follow the manufacturer’s precautions and directions for use.

Dispensing Equipment

Air Motor:41/4 in diameter minimum.
Pump Tube: Stainless steel with PTFE packings. Double acting ball check type.
Pressure primer required with tire-type follower plate suggested.
Hose: High pressure neoprene.
Pump Ratio:60°F (16°C) or above, uses a 10:1; below 60°F (16°C), uses a 24:1.

Note: Pressure ratio and air motor size of pump may have to be changed if hose length or I.D. is changed. Flow rate with 20 ft. of 1/2 in hose, 1/4 in tip flow gun at 60°F (16°C), 10 to 1 ratio pump was one pound per minute.

Appropriate dispensing equipment enhance sealant performance. We suggest the following dispensing equipment for the user’s evaluation in light of the user’s particular purpose and method of application. Please be sure to follow the equipment manufacturer’s precautions, directions for use, and recommendations for equipment.

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. Product will become unusable with prolonged storage under 4°C (40°F). Protect from freezing. For best performance, use this product within 15 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.

3M™ Industrial Adhesives and Tapes Division
3M Center, St. Paul, MN 55144-1000
3M.com/iatd

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