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
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
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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™ Scotch-Weld™ Control Joint Sealants DP5106, Self-Leveling, Gray

Regulatory Info/SDS

Product Description

3M™ Scotch-Weld™ Control Joint Sealant DP-5106 is a self-leveling, gray, rapid setting, two-component polyurethane. It is packaged as 1:1 ratio liquids in duo-pak cartridges. With the squeeze of the trigger, the components are automatically mixed and easily dispensed as bubble-free, self-leveling liquids.

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 Mixed Physical Properties

Temperature: 23 °C (73 °F)

Attribute Name	Test Method	Test Condition	Value
Viscosity	HBDVI + CP		34,325 cP
Worklife	PEC		4 min
Tack Free Time	PEC	10 g, 6 mm (1/4 in) thick	30 min
Time to Full Cure	PEC	10 g, 6 mm (1/4 in) thick	24 h

Typical Cured Characteristics

Attribute Name	Test Method	Temperature	Test Condition	Value
Temperature Range			Continuous	-51-121 °C (-60-250 °F)
Shore A Hardness	ASTM D2240	23 °C (73 °F)		85

Typical Performance Characteristics

Attribute Name	Value
Long Term Temperature Resistance	121 °C (250 °F) [1]
Minimum Long Term Temperature Resistance	-51 °C (-60 °F) [1]

[1] Long Term (day, weeks)

Handling/Application Information

Application Examples

• For stress-relieving large segments of concrete floors

Installation

Section 1: Preparation

General Preparation of the Control Joint Channel:
1. For existing control joints, removing all loose aggregate, dust, old caulks, grease or other compounds from the control joint saw cut.
2. For new control joints, prepare control joint cavities by making saw cuts 1/4-inch wide by 1/2-inch deep using an abrasive-resistant saw cut blade. Usually the placement of channels for these joints is described by the contractor. Typically control joint channels span 12 to 20 feet square areas.
3. Use a bristle brush to remove the major debris. Then use moisture-free and oil-free compressed air to blow out the fine dust.
4. If desired, mask off the areas surrounding the control joint for creating a well- defined and aesthetic appearance to the channel.

Section 2: Procedures
General Preparation of the Dual Cartridge/Dispenser/Mixer Tip Assembly:
1. Select the cartridge size required for the job.
2. Refer to the table below to determine how many feet of channel are filled for each cartridge size, channel width and channel depth.

Crack Width	Crack Depth	Linear ft. per 1.7 fl. oz.	Linear ft. per 12 fl. oz.	Linear ft. per gallon
1/4 in.	1/4 in.	3.9	28	297
1/2 in.	1/4 in.	2	14	148
3/4 in.	1/4 in.	1.3	9	95
1 in.	1/4 in.	1	7	74
1/4 in.	1/2 in.	2	14	148
1/2 in.	1/2 in.	1	7	74
3/4 in.	1/2 in.	0.6	4	42
1 in.	1/2 in.	0.4	3	32

3. Select the desired manual or pneumatic dispenser
4. Select the mix tip.
5. Prepare the required number of cartridges.
6. Cut the blind-end off of the cartridge orifice, or remove the cap.
7. Place the cartridge in the dispenser.
8. Dispense just enough material so that both components dispense equally.
9. Assemble the mix tip onto the cartridge.

General Procedure for Filling the Control Joints
1. Embed the mixer tip at the deepest portion of the channel and dispense into the prepared channel.
2. Fill so the sealant comes level with the concrete surface elevation.
3. 3M™ Scotch-Weld™ Control Joint Sealant DP5106 will self-level and leave a slight meniscus.
4. If desired, one can create a joint flush and level to the concrete floor by overlaying plastic release film and applying pressure to level the liquid.
5. A plastic spreader can also be used to spread the liquid level to the concrete floor prior to the set of 3M™ Scotch-Weld™ control joint sealant DP5106.
6. 3M™ Scotch-Weld™ control joint sealant DP5106 will set within approximately 5 to 15 minutes.
7. At 75°F (24°C), a 1/4"-thick section sets and becomes tack-free within 30 minutes and will cure within 24 hours. Note: Thicker masses or substrates at higher temperature take less time to cure. Thinner masses or substrates at lower temperature take more time to cure.

Section 3: Clean-up and Finishing

1. Remove the masking tape surrounding the control joint channels.
2. If desired, grind the cured product with 36 to 50 grit sanding disks or sandpaper to take off any rough edges and achieve the desire shape. Sand with finer grit sandpaper to the desired finish.

Maintenance

No maintenance is required. However, if joints become damaged, simply reapply 3M™ Scotch-Weld™ Control Joint Sealant DP5106.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) in the original, unopened packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Precautionary Information

Refer to Product Label and Material Safety Data Sheet (MSDS) for health and safety information before using this product. For environmental information, refer to MSDS. Always wear gloves, eye protection, appropriate respiratory protection, and work in a well-ventilated area. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

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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