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
구조용 스크류 · 목조건축 자재

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홈페이지 바로가기 →
문서 라이브러리 바로가기 →
시공사례 바로가기 →
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English-US

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Technical Data Sheet

3M™ VHB™ Water-Based Promoter UV

Product Description

3M™ VHB™ Water-Based Promoter UV increases the adhesion of 3M™ VHB™ Tapes to a variety of common medium surface energy (MSE) and high surface energy (HSE) materials. This product was specifically designed for use with 3M™ VHB™ Tapes and accelerates their bond-build rate.

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 Physical Properties

Attribute Name	Value
Color	White
Solids Content by Weight	10.5 %
Flash Point	>65 °C (>150 °F)
Viscosity	≤30 cps (at 23°C)

Handling/Application Information

Surface Preparation

The bonding surface must be clean and dry. Contaminated surfaces should be cleaned with an isopropyl alcohol and water mixture (50/50 or 70/30). A clean lint-free cloth should be used for the cleaning step.

Application Techniques

Apply a thin, uniform coating to the bonding surface with a lint-free cloth using the minimum amount that will fully coat the surface. Allow 3M™ VHB™ Water-Based Promoter UV to dry thoroughly before applying tape. If applied thinly, 3M™ VHB™ Water-Based Promoter UV dries in 10 minutes or less at room temperature. Be sure that the promoted surface remains free from contaminants prior to applying tape. Porous surfaces may require two applications of 3M™ VHB™ Water-Based Promoter UV for uniform coverage and good adhesion. If two coats are needed, allow the first application of promoter sufficient time to dry before applying the second coat.

Removal Techniques

3M™ VHB™ Water-Based Promoter UV can be removed with isopropyl alcohol or acetone. Vigorous scrubbing may be required. Test in a small, inconspicuous area to ensure that isopropyl alcohol or acetone will not affect the substrate. Carefully read and follow manufacturer's precautions and directions for use when handling cleaning solvents.

Design Considerations

VHB Tape Design Guidelines:

Use the right amount of 3M™ VHB™ Tape to handle the expected stresses. Because 3M™ VHB™ Tapes are viscoelastic by nature, their strength and stiffness is a function of the rate at which they are stressed. They behave stronger when experiencing a higher rate of stress load (dynamic stresses) and will tend to show creep behavior with stress loads that act over a long period of time (static stresses). As a general rule, for static loads, approximately four square inches of tape should be used for each pound (57 cm^2 of tape per kg) of weight to be supported in order to prevent excessive creep. For dynamic loads a useful design factor is 12 lb/in^2 (85 kPa) for most dynamic stresses in general applications.

Storage and Shelf Life

When stored in the original container at 60-80°F (15-27°C), this product retains its performance and properties for 18 months from the date of manufacture.

- Keep 3M™ VHB™ Water-Based Promoter UV in its original container.
- Transfer only a small amount into a work vessel for use.
- Keep original container tightly sealed to avoid evaporation.

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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