



Technical Data Sheet

3M™ VHB™ Water-Based Promoter UV



[Product Details](#)

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
Viscosity	≤30 mPa.s (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 cm² of tape per kg) of weight to be supported in order to prevent excessive creep. For dynamic loads a useful design factor is 85 kPa for most dynamic stresses in general applications.

Storage and Shelf Life

When stored in the original container at 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

Precautionary Information: Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information, please contact your local 3M Office.

Important Information: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law.

Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, or death. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.

ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

3M™ Centre
Cain Rd, Binfield, Bracknell RG12 8HT, United Kingdom
3m.co.uk/iatd

3M and VHB are trademarks of 3M Company.
©3M 2025 (6/25)