

Technical data sheet



Product: UNIVERSAL PRIMER

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: PRIMER

Article group: PRIMER

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3M™ VHB™ TAPE UNIVERSAL PRIMER UV

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3M[™] VHB[™] Tape Universal Primer UV

Product Data Sheet

July 2017
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Product Description

3M[™] VHB[™] Tape Universal Primer UV can be used to promote adhesion of 3M[™] VHB[™] tapes to a broad range of surfaces such as polypropylene, ABS, acrylic, polycarbonate, nylon, FRP, rigid PVC, metal and painted surfaces. A fluorescent dye has been added to help verify primer coverage.

Physical Properties

Solids	Approximately 5%*
Colour	Slightly hazy, colorless solution with fluorescent bluish tint.
Flashpoint	-21 °C (closed cup)
Density	0,820 g/mL
Viscosity	Max. 25 mPa*s

**Contains fine particles that may settle out over time. Shake before resuspend*

Application Techniques

Surface Preparation:

The bonding surface must be relatively clean and dry. Substrates should be cleaned with an appropriate detergent. A clean lint-free cloth should be used.

Application:

Shake 3M[™] VHB[™] Tape Universal Primer UV well before using. Apply a thin uniform coating to the bonding surface using the minimum amount that will fully coat the surface. Allow Primer UV to dry thoroughly before applying tape (30 – 90 s). The tape should be applied or the bond made to the prepared surface within 8 hours of primer application. Be sure the primed surface remains free from contaminants prior to applying the tape. Porous surfaces may require 2 applications of primer for uniform coverage and good adhesion. Allow first application of primer to dry before applying the second coat.

3M[™] VHB[™] Tape Universal Primer UV may be applied with a brush, swab or felt-tipped dauber bottle applicator (1), a pressurized flow gun, knurled roller or other similar type of application equipment. Applicator heads should be cleaned or replaced regularly.

Clean up:

3M™ VHB™ Tape Universal Primer UV can be removed with acetone. Vigorous scrubbing may be required. Test in small area to ensure acetone will not affect the substrate surface.

Note:

Carefully read and follow manufacturer's precautions and directions for use when handling cleaning solvents.

(1) Designetics, Inc. (www.designetics.com)

Storage & Shelf Life

18 months from date of manufacture when stored in the original container at 15 °C - 27 °C.

- Keep Primer UV in the original container.
 - Transfer only a small amount into a work vessel for use.
 - When not in use, keep original container tightly sealed to avoid solvent evaporation and worker exposure.
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Precautionary Information

Refer to product and Material Safety Data Sheet for health and safety information before using the product. For information please see below for contact details.

For Additional Information

To request additional product information or to arrange for sales assistance, please see below for contact details.

Important Notice

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

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