



# VHB™ Silane Glass Primer

## Product Data Sheet

March 2014

Supersedes: February 2011

### Product Description

Due to the hydrophilic (water loving) nature of glass the VHB™ adhesive tape bond may be “undercut” by moisture getting between the adhesive and the glass surface in applications subject to high humidity and frequent water contact. This causes bond weakening and can lead to adhesive failures from the glass.

To combat this effect on such applications the use of a silane primer to prepare the glass is essential, for example: Plastic, metal or painted metal glazing bars bonded to glass windows. Bonding letters to glass shop fronts. Viewing windows for equipment expected to perform in the presence of water. Glass in bathrooms or kitchens (hostile, internal environment).

### Construction

	VHB™ Silane Glass Primer
<b>Basis</b>	Silane
<b>Solvent</b>	Isopropanol
<b>Solid content</b>	0,5 %

### Application Guidelines

Surfaces to be bonded together must be clean, dry and at room temperature (60 °F / 15 °C or more). Light dirt or contamination should be removed using VHB™ Surface Cleaner and applied using lint free cloth. Full cleaning procedures must be followed prior to silane primer application.

1. Moisten a clean, dry lint free tissue with VHB™ Silane Glass Primer.
2. Apply to the area to be bonded by wiping the surface in one direction with the moistened tissue.
3. For consistently good results apply only a very thin layer on VHB™ Silane Glass Primer. This can be achieved by wiping the primed area with a clean dry tissue, immediately after the initial application (wipe-on-wipe-off).

3M VHB™ Silane Glass Primer is clear and should not cloud or discolour glass. If clouding occurs, excess primer has been applied. This must be removed immediately prior to bonding with VHB™ Tape. If excess primer has been allowed to dry it must be removed with VHB™ Surface Cleaner and the priming process repeated prior to bonding.

Apply VHB™ Tape immediately after primer has dried (within 5 minutes).

**Note:** Read also Technical Bulletin *VHB™ Tape Glass Bonding and Silane Coupling Agents*.

---

<b>Storage</b>	Store in original container at approx. 21 °C and 50 % relative humidity.
<b>Shelf Life</b>	When stored under proper conditions, product retains its performance and properties for 12 months from date of manufacture, it is recommended to use the product within one month after opening the container; see also product label. <b>Note:</b> Shelf life may be decreased, especially if open or poorly resealed container is continuously exposed to hot or humid environments
<b>Precautionary Information</b>	Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information see below for contact details.
<b>For Additional Information</b>	To request additional product information or to arrange for sales assistance, please see below for contact details.
<b>Important Notice</b>	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

---



**3M Svenska AB  
Industri**

Bollstanäsvägen 3  
191 89 Sollentuna

Tel: 08-92 21 00

Fax: 08-92 22 88

E-post:

[kundservice@mmm.co](mailto:kundservice@mmm.com)

[m](http://www.3m.se/lim)

[www.3M.se/lim](http://www.3m.se/lim)

**3M a/s  
Industri**

Hannemanns Allé 53

2300 København S

Tlf.: 43 48 01 00

Fax.: 43 20 15 65

E-mail:

[dkindustri@mmm.co](mailto:dkindustri@mmm.com)

[m](http://www.3mindustri.dk)

[www.3Mindustri.dk](http://www.3mindustri.dk)

**3M Norge AS  
Avd. Industri**

Hvamveien 6

2013 Skjetten

Tel: 0 63 84

Fax: 63 84 17 88

E-post:

[Kundeservice@mmm.co](mailto:Kundeservice@mmm.com)

[m](http://www.3m.no/lim)

[www.3M.no/lim](http://www.3m.no/lim)

**Suomen 3M Oy**

**Teollisuustuotteet**

PL 600

Keilaranta 6

02151 Espoo

Puh: 09-525 21

Fax: 09-525 2279

[http://www.3M.fi/teollisuus](http://www.3m.fi/teollisuus)

s