



VHB™

Silane Glass Primer

Product Data Sheet

Updated : March 1996
Supersedes : October 1994

When to Use

Due to the hydrophillic (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).

Instructions for Use

Surfaces to be bonded together must be clean, dry and at room temperature (60°F/15°C or more). ASSUME ALL SURFACES ARE DIRTY as even finger prints can effect the strength of the bond.

Light dirt or contamination should be removed using VHB™ Surface Cleaner and applied using VHB™ Applicator Pads. Full cleaning procedures must be followed prior to silane primer application.

Primer Application

1. Moisten a clean, dry VHB™ Applicator Pad or 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 either of the following methods:

Apply in a quick motion so that the primer dries as quickly as it is applied.

Wipe the primed area with a clean dry tissue, immediately after the initial application.

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 with a dry clean VHB™ Applicator Pad 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.

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Note: Apply VHB™ Tape immediately after primer has dried (within 5 minutes). VHB™ Silane Glass Primer should be used within 12 months from date of mix (see date stamp on can).

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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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