



# Silane Glass Treatment

## AP115

### Product Description

3M™ Silane Glass Treatment AP115 is used to promote adhesion of 3M™ VHB™ Tapes to uncoated glass surfaces. Glass is hydrophilic (water loving) in nature and may lead to performance issues over time in humid or wet environments due to water vapor undercutting the bondline and interfering with normal adhesion forces. 3M silane glass treatment AP115 treats the glass surface creating a hydrophobic surface that will act to protect the 3M™ VHB™ Tape bondline.

### Application Instructions

The glass surface must be relatively clean and dry. Contaminated glass surfaces (excessively dirty or oily) should be cleaned first with a 50/50 isopropyl alcohol and water mixture.\* A clean lint-free cloth should be used. The following surface preparation method should be followed when using 3M™ Silane Glass Treatment AP115 to treat an uncoated glass surface. This procedure is commonly known as the “two cloth” cleaning method.

1. Moisten a clean, soft absorbent, lint-free cloth with the silane solution and vigorously wipe over the area to be bonded in one direction. Do not dip the cloth into the silane solution as this will contaminate it. Alternatively, the silane solution may be sprayed onto the surface and vigorously wiped with the clean cloth around the perimeter of the glass or wherever the tape will be applied. Experience has shown that only a very thin layer (monolayer) of the silane solution gives the best and most consistent results.
2. In an effort to achieve a monolayer, the primed area should be re-wiped (in one direction) with a fresh, clean, lint-free, dry cloth immediately after initial application. The glass should be completely dry with no film residue visible.\* Under normal room temperature conditions it is best to wait 1 to 2 minutes before applying the tape so that any residual moisture can evaporate. Apply 3M™ VHB™ Tape within 15 minutes after treating the surface to minimize the risk of recontamination of the surface.

\*3M™ Silane Glass Treatment AP115 is clear and should not cloud or discolor glass. If clouding occurs, excess solution has been applied. This must be removed immediately with a dry and clean, lint-free cloth prior to bonding with 3M™ VHB™ Tape. If excess solution has been allowed to dry it must be removed with a 50/50 isopropyl alcohol and water mixture.\* The two cloth cleaning method can then be followed again prior to tape application.