



## SEALGUARD 993 SILICONE SEALANT

### Overview

- Description**  
SealGuard 993 Silicone is a thick, high-build, single component liquid dispersion silicone sealant grade caulk. It is designed to seal abnormal roof penetrations that cannot be covered with standard sprayers or rollers. This product has low odor and is easy to apply in abnormal and tough to reach areas that need to be sealed. Once applied, this product will react with the ambient moisture present in the air and surrounding areas and the final cured product will result in a breathable, watertight seal that has superior adhesion to a variety of substrates.
- Usage**  
SealGuard 993 Silicone is primarily used as a flashing grade sealant caulk that can be used on a number of substrates. This system is typically used in combination with other VFI SealGuard products to give seamless roofing systems with excellent physical properties and waterproofing. Contact Volatile Free, Inc. for application specifications.
- Color**  
Standard color is white. Contact Volatile Free, Inc. for more information on custom colors.

### Physical Properties

- Hardness**  
ASTM B-2240  
Shore A 45
- Tensile**  
ASTM D-412  
Tensile Strength: 130 psi  
Elongation: 275%  
Permanent Set: 1% max
- Tear Strength**  
ASTM D-624 >10 pli
- Adhesion**  
Excellent adhesion to a variety of substrates.

### Weather & Environmental Performance

- Service Temperature**  
-55°F to 300°F
- Weatherability QUV Test Data**  
No degradation

### Liquid Component Properties

- Solids**

  - **By weight** 96% +/- 3%
  - **By volume** 95% +/- 3%
- Viscosity**  
@ 77°F Thick paste
- Liquid Density & Specific Gravity**  
11.26 lb/gal (1.35 SG)
- Flash Point**  
ASTM D-56 >200°F
- VOC** <50 g/l
- Coverage**  
Mil/sq/ft/gal 1504
- Reactivity**

  - **Tack free time:** 1-2 hours @ 77°F, 50% relative humidity.
  - **Through cure time:** 12-18 hours @ 77°F, 50% relative humidity. (3/8" depth)
- Storage Stability or Shelf Life**  
12 months from date of manufacture when stored in sealed, unopened containers between 50-90°F.

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## Application

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- **Equipment**

SealGuard 993 Silicone can be applied by brush, trowel or putty knife. This product is a single component, thick paste, so no mixing or proportioning is necessary. Just dispense and apply using brush, trowel or putty knife.

- **Mixing**

SealGuard 993 is a thick, single component material. No mixing required.

- **Material Application**

The surface must be clean and dry and free from contaminants (ie, oils, mud, and grease) that will cause negative effects on adhesion. Product can be brush, trowel, or putty knife applied. Dispense the product and apply over areas to be sealed to desired thickness using application tools of choice. Consult Volatile Free, Inc for further information.

- **Primers**

Typically not required. On atypical or questionable substrates, a sample should be tested for adhesion to make sure no primer is needed.

- **Clean-up Solvent**

Use VM&P Naphtha or Mineral Sprits to clean liquid product from tools and other surfaces.

- **Limitations**

Do not use directly over BUR or Modified bitumen without a primer/sealer. Not for use on joint that will be under constant water submersion. Only use as directed. The properties may not be suitable for some uses as a standalone coating system.

- **Thinning**

Do not thin this material.

- **Precautions**

See Safety Data Sheet for complete safety data. Do not add water to this product. Avoid prolonged breathing of vapors and prolonged or repeated skin contact. Use only with adequate ventilation.

- **Packaging**

2 Gallon Pails

For more information, contact us today at **800-307-9218**

Corporate Office: P.O. Box 344 • Brookfield, WI 53008 • (800) 307-9218 • (262) 787-0400 • Fax (262) 787-0500 • [www.volatilefree.com](http://www.volatilefree.com)

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