



SEALGUARD 994 CLEAR SILICONE ELASTOMER

Overview

- Description**
 SealGuard 994 Clear Silicone is a single component solventless moisture cure elastomer, designed for use as a cure in place coating system which can be sprayed, rolled or brushed. This system resists weathering, aging, oxidation and precipitation due to the silicone backbone of the cured polymer. It also, withstands high temperatures and UV radiation. SealGuard 994 is characterized as a breathable, soft, waterproofing membrane protecting the substrate from premature failure and degradation.
- Usage**
 SealGuard 994 Clear Silicone is primarily used as a waterproofing roof coating system for skylights and other areas where a clear translucent coating is necessary. Contact Volatile Free, Inc. for application specifications.
- Color**
 Standard color is clear.

Physical Properties

- Hardness**
 ASTM B-2240
 Shore A 55
- Tensile**
 ASTM D-412
 Tensile Strength: 300 psi
 Elongation: 170%
 Permanent Set: 1% max
- Tear Strength**
 ASTM D-624 21 pli
- Adhesion**
 Excellent adhesion to silicone, polyurethane foam and aged fiberglass.

Weather & Environmental Performance

- Service Temperature** -85°F to 350°F
- Weatherability QUV Test Data**
 No degradation

Liquid Component Properties

- Solids**
 - By weight 94% +/- 1%
 - By volume 94% +/- 1%
- Viscosity**
 @ 77°F 4000-12000 cps
- Liquid Density & Specific Gravity**
 8.15 lb/gal (0.98 SG)
- Flash Point**
 ASTM D-56 187°F
- VOC** 46 g/l
- Coverage**
 Mil/sq/ft/gal 1504
- Reactivity**
 - Tack free time:** 2-3 hours @ 75°F, 50% relative humidity.
 - Cure time:** 3-6 hours @ 75°F, 50% relative humidity.
 - Recoat time:** Variable depending on substrate. 4-24 hours over polyurethane foam. Do not exceed the recoat time or poor intercoat adhesion may result.

- **Storage Stability or Shelf Life**
12 months from date of manufacture when stored in sealed, unopened containers between 40-75°F.

Application

- **Equipment**
SealGuard 994 Clear Silicone can be applied by brush, roller or sprayed. If sprayed, use single component spray equipment capable of maintaining a minimum constant spray pressure of 5000 psi. 5:1 transfer pump should be used with drums. Any transfer equipment used should have Buna-L jacketed hoses to eliminate moisture contamination to the silicone.
- **Mixing**
All drums must be power mixed! Mix all drums with a 1½ horsepower air driven mixer (do not use auger type mixer) for a minimum of 30 minutes depending upon the temperature of the product on the day of application. The shaft should have at least one set of 6" collapsible blades to fit through the bung opening in the drum and should be long enough to reach the bottom of the drum. Pails need to be power mixed with a proper mixer and a 3" minimum mixing blade.
- **Material Application**
Mix thoroughly. For cold weather application, keep material above 65°F. Upon opening the drum for use, mix per directions and insert transfer pump, tightly sealed in the opening. A small amount of nitrogen can be added to prevent skinning. Pails can be directly placed under the sprayer with a nitrogen cap after mixing. Generally the material is applied over a clean dry substrate in two to three coats. Total application rate should be 2.25 gal / sq. SealGuard Series Silicone should not be left longer than 24 hours for subsequent coats. Apply in alternate direction for each coat to ensure proper coverage and to help eliminate pin holes. Each coat should be a different color.
- **Primers**
None required for polyurethane foam if applied within 24 hrs, otherwise use VFI#11. For other substrates, see VFI Primer Chart for appropriate primer.
- **Clean-up Solvent**
Use VM&P Naphtha or Mineral Sprits to clean liquid product from tools and equipment. For spray equipment, circulate solvent through lines and spray gun into a separate bucket until all material is removed. Then put hose end or gun into the clean solvent bucket and circulate until clean. Best to follow up by putting clean solvent in the system and sealing both ends before storing.
- **Limitations**
Do not use directly over BUR or Modified bitumen without a primer/sealer. Not for use as a roof for a cold storage application or a cryogenic tank without a vapor barrier.
- **Thinning**
Do not thin prior to application
- **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**
5 Gallon Pails
50 Gallon Drums

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

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