



SILICONE REINFORCED SYSTEM

The Silicone Reinforced System from VFI is an excellent roofing system for the maintenance of roofs with problem areas, as it is functional, strong, and easy-to-apply. Polyester fabric sets this system apart from standard systems as it is added to reinforce flashing and areas with leak potential. We recommend this system for roofs with a slope less than or equal to 1/12.

APPLICATION

- VFI-#11 9:1 Epoxy Primer is applied to promote adhesion of a coating to the roof substrate.
- SEALGUARD VFI-993 Silicone Flashing Grade should be used to fill gaps of a 1/4 inch or less.
- For enhanced strength, polyester fabric is embedded in VFI-990 over seams, flashing, and all problem areas.
- SEALGUARD VFI-990 High Solids Silicone is applied as a top coat to create a seamless, monolithic membrane, protecting the roof from moisture penetration and accelerated UV degradation for increased energy efficiency.

FOR USE OVER: Built-Up Roof (BUR), Concrete, EPDM, Metal, Modified Bitumen, and Single-Ply.



FEATURES & BENEFITS

- **Exceptional Strength & Durability**
Strong elastomeric properties with embedded fabric help extend the roof's life.
- **Natural Energy Efficiency**
Superior white brightness and UV reflectivity increase HVAC efficiency and energy savings.
- **Field Proven & Tested Products**
Guaranteed quality from a trusted manufacturing company that has been a valued contributor to the roofing community for more than 25 years.



Cements and coatings for roofing systems as to an external fire exposure only 84GM

MANUFACTURER OF HIGH PERFORMANCE POLYMERS

Toll-Free 800-307-9218 | volatilefree.com | info@volatilefree.com

SILICONE REINFORCED SYSTEM



ACRYLIC SYSTEM

Tensile Strength	201 psi
Tear Strength	84 pli
Aged Solar Reflectance	0.76
Aged Thermal Emittance	0.92

HYBRID PREMIER SYSTEM

Tensile Strength	1,277 psi
Tear Strength	208 pli
Aged Solar Reflectance	0.70
Aged Thermal Emittance	0.90

SILICONE SYSTEM

Tensile Strength	426 psi
Tear Strength	29 pli
Aged Solar Reflectance	0.68
Aged Thermal Emittance	0.90

SEALGUARD VFI-990 HIGH SOLIDS SILICONE

PHYSICAL PROPERTIES

Tensile Strength	426 psi
Elongation	228%
Tear Strength	29 pli
Permeance	8.8 perms

LIQUID PROPERTIES

Solids by Volume	93%
Cure Time	2-4 hrs @ 75°F, 50% Rh
Recoat Window	2-48 hrs @ 75°F, 50% Rh
VOC	46 g/L

SEALGUARD VFI-993 SILICONE FLASHING GRADE

PHYSICAL PROPERTIES

Tensile Strength	343 psi
Elongation	218%

LIQUID PROPERTIES

Solids by Volume	96%
Recoat Window	12 hrs min @ 75°F, 50% Rh
VOC	46 g/L

VFI-#11 9:1 EPOXY PRIMER

LIQUID PROPERTIES

Solids by Volume	50.5%
Ratio by Volume (A:B)	9A:1B
Recoat Window	between 8 hrs - 7 days
VOC	35 g/L

Please reference individual technical data sheets or scan QR code for full product properties

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