



ACRYLIC REINFORCED SYSTEM

The Acrylic Reinforced System from VFI is an easy-to-apply, low VOC system for roofs with problem areas that need improved strength. The addition of polyester fabric sets this system apart from standard fluid applied systems as it is used to flash and reinforce areas with leak potential. This system is an economical alternative to silicone-based systems when used on roofs with proper slope and drainage.

APPLICATION

- VFI-#11 9:1 Epoxy Primer is applied to promote adhesion of a coating to the roof substrate.
- VFI-630 Acrylic Flashing Grade should be used to fill gaps of a 1/4 inch or less.
- For enhanced strength, polyester fabric is embedded between two coats of VFI-640-1 Gray Acrylic over seams, flashing, and all problem areas.
- VFI-605-1 White Acrylic is then used 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, Single-Ply, and Existing Acrylic Coatings.



FEATURES & BENEFITS

- **Exceptional Strength & Durability**
Strong elastomeric properties with embedded fabric help extend the roof's life.
- **Avoid Operation Shutdowns**
Roof coatings are less disruptive to business operations than costly roof replacements.
- **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

ACRYLIC 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

VFI-605-1 WHITE ACRYLIC COATING

PHYSICAL PROPERTIES

Tensile Strength	201 psi
Elongation	718%
Tear Strength	84 pli
Permeance	14 perms

LIQUID PROPERTIES

Solids by Volume	57%
Cure Time	2-4 hrs @ 75°F, 50% Rh
Recoat Window	2-48 hrs @ 75°F, 50% Rh
VOC	<25 g/L

VFI-640-1 GRAY ACRYLIC COATING

PHYSICAL PROPERTIES

Tensile Strength	201 psi
Elongation	718%
Tear Strength	84 pli
Permeance	14 perms

LIQUID PROPERTIES

Solids by Volume	57%
Cure Time	2-4 hrs @ 75°F, 50% Rh
Recoat Window	2-48 hrs @ 75°F, 50% Rh
VOC	<25 g/L

VFI-630 ACRYLIC FLASHING GRADE

PHYSICAL PROPERTIES

Tensile Strength	189 psi
Elongation	344%

LIQUID PROPERTIES

Solids by Volume	58%
Recoat Window	12 hrs min @ 75°F, 50% Rh
VOC	<25 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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