



VFI-605 PREMIUM GRADE ELASTOMERIC ROOF COATING

Overview

Description

VFI-605 is a premium grade water-based elastomeric coating which cures to form a seamless membrane when applied over the entire roof area. VFI-605 offers the unique ability to extend the life cycle of new and existing roof systems, in addition to keeping the surface cool, providing protection from ultraviolet sun and other weather exposures.

Usage

- Protect and seal a variety of roof surfaces. Suitable for use on various conventional BUR and polymer modified roof membranes with smooth and mineral surfacing, sprayed

polyurethane foam, most metal roof systems, Thermoplastic and Thermoset single-ply membranes, concrete, exterior-grade plywood, rigid coverboards such as Dens-Deck and Securock. Use to certain substrates may be limited or require additional work depending on substrate or project conditions.

- Suitable for use on cementitious stucco, EIFS and other masonry surfaces.

Color

White

Features and Benefits

Description

- VFI-605 is compliant with the stringent standards of CRCC and the California Title 24 (white color only).
- Extends the useful life of the roof.
- Offers high tensile strength and elongation.
- Resistant to dirt pick up.
- Offers excellent resistance to extended exposure to solar ultraviolet energy.
- UL and FM approved.

- By decreasing roof surface temperature, VFI-605 can reduce energy costs.
- Fungal and algal resistant-even in high temperatures.
- Low VOC, non-flammable and presents minimal hazard to the applicator or the environment.

Physical Properties Per ASTM D6083

Initial Tensile Strength

ASTM D2370 322 psi

Initial Elongation

ASTM D2370 151

Tear Resistance

ASTM D624 72.2

Fungi Resistance

ASTM G21 0

Permeance

ASTM D1653 47.1

Resistance to Wind Driven Rain

TT-C-555B Pass

Weight Gain of Block, lb

TT-C-555B 0

Film Properties After 1000 hrs Accelerated Weathering D4798

Elongation

ADTM D2370 114

Low Temperature Flex

ASTM D522 Pass

Appearance After 1000 hrs Accelerated Weathering

ASTM D4798 Pass

Aged Solar Reflectance of White

75

Aged Thermal Emittance of White

.90

Liquid Component Properties And Environmental Performance

- **Solids**
 - Weight – ASTM D 1644 67.3%
 - Volume - ASTM D 2697 52.4%
- **Liquid Material Density & Specific Gravity**
 - ASTM D 2939 11 +/- .5
- **VOC**

The volatile organic content is <50 grams per liter.
Flash Point (°F) >212.
- **pH (rating)**
 - Std method >9
- **Storage Stability or Shelf Life**

Typically 18 months from date of manufacture when properly stored. Keep containers covered when not in use. Do not store at temperature greater than 120°F. Do not allow product to freeze. Discard if any degrees of freezing would occur.
- **Service Temperature**
 - 50°F to 120°F

Application

- **Equipment**

Brush, roller and high pressure sprayer for best appearance and coverage.
- **Material Preparation**

Do not apply at temperatures greater than 120°F. Store 24 hours at room temperature prior to application.
- **Mixing**

Stir well prior to application. To field tint this product, please use a water-based, exterior-grade pigment.
- **Substrate Preparation**
 - All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products.
 - Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants.
 - Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of performance of newly installed products, Repair any visible deficiencies such as splitting, blistering, and buckling with VFI-630 Flashing Grade and polyester fabric.
- **Application**

See VFI Specification for specific application information.
- **Clean Up**

Clean equipment and overspray with water. Clean hands with waterless hand cleaner.
- **Precautions**

See Safety Data Sheet for complete safety data and handling of the product.
- **Thinning**

Do not thin. Do not heat outside of container.
- **Packaging**
 - 5 Gallon Pail
 - 50 gallon Drum
 - 275 Gallon Tote
- **Visually inspect all metal and non-metal flashings, edges, drains, valleys and through-roof penetrations and repair as needed by project conditions.**
- **Do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or Kynar finishes.**
- **Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.**

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

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