



VFI-650 WATER BASED ELASTOMERIC COATING

Overview

- **Description**
 VFI-650 is a water-borne, single component, elastomeric acrylic coating characterized by excellent hardness, strength, water resistance, soil resistance and weatherability.
- **Usage**
 Applicable uses include the following:

 - Protective roof coating system for exterior urethane foam insulation, concrete, single ply membrane recoat, asphalt recoat or metal roofs with positive drainage.
 - Protective and decorative coating system for interior or exterior walls and fascias with smooth textured finishes.
- **Limitations**
DO NOT apply to interior urethane foam or where service conditions are below 0°F.
DO NOT apply on surfaces subjected to prolonged water soak.
- **Color**
 VFI-650 is a white top coat. VFI-650 gray is the base coat for gauging coverage. Contact your VFI representative for custom colors with a 30 gal minimum order.

Physical Properties

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| <ul style="list-style-type: none"> <p>■ Hardness
 ASTM D-2240
 Shore A 70-75</p> <p>■ Tensile Properties
 ASTM D-412
 Strength 300 psi min
 Elongation 200% min
 Permanent Set 10% max</p> <p>■ Tear Resistance
 ASTM D-624
 Die C 120 pli min</p> | <ul style="list-style-type: none"> <p>■ Toxicity
 Not for use with edible substances or potable water.</p> <p>■ Flammability
 ASTM E-108 testing in progress. If a rated system is needed use VFI-605 and VFI-640.</p> <p>■ Adhesion
 Good adhesion to urethane foam, masonry, concrete and wood. VFI-650 also has adhesion to most organic coating with the exception of silicones and fluorocarbons. A primer is required for certain recoat membranes. A primer must be used in ferrous metals to prevent corrosion. Contact Volatile Free, Inc. for specific recommendations.</p> |
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Weather & Environmental Performance

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| <ul style="list-style-type: none"> <p>■ Weatherability
 Excellent</p> | <ul style="list-style-type: none"> <p>■ Cool Roof Test Results
 In progress</p> |
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Liquid Component Properties

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|---|----------------|---|
| ■ Coverage
mil/sq/ft/gal (dry) | 820 | ■ Storage Stability or Shelf Life
12 months. Protect from freezing. Freezing temperature 30°F. |
| ■ Solids
Weight
Volume | 62.5%
51.1% | ■ Thinning
Thinning is not recommended under normal conditions. When necessary, VFI-650 can be thinned up to 5% with water. Thinning causes reduction in film build and vertical hold properties. |
| ■ VOC
Contains less than 25 grams/liter | | |

Application

Apply by spray, roller or brush. A wide range of spray equipment can be used including airless spray or conventional spray.

When applying VFI-650 in hot weather, coating may thicken in idle spray hoses due to the resulting high temperatures.

It is recommended that hoses be flushed with water at the end of the day to avoid potential problems such as, coating build-up in hoses, poor spray pattern or plugging.

Clean up with water supplemented with liquid detergent. Spray equipment should be given a final cleansing with MEK thinner or lacquer thinner to remove moisture, and prevent possible corrosion.

VFI-650 is a water based coating and will require the complete evaporation of water to achieve full cure.

DO NOT apply to surfaces that are, or will be lower than, 50°F within 12 hours.

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

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