

WATER BASED ELASTOMERIC COATING

■ Description

VFI-600 is a water-borne, single component, elastomeric acrylic coating characterized by excellent hardness, strength, water resistance, soil resistance and weatherability.

■ Usage

Some applicable uses would include, but not be limited to the following:

- Protective coating system for exterior urethane foam insulation, concrete, plywood roofs or metal roofs with positive drainage.

- Protective and decorative coating system for interior or exterior walls and fascias with smooth or 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.

■ Colors

VFI-600 is a white top coat. VFI-601 is a gray base coat. Special colors available.

Physical Properties

■ Hardness

ASTM D-2240
Shore A 70-75

■ Tear Resistance

ASTM D-642
Die C 120 pli min.

■ Tensile Properties

ASTM D-412
Strength: 400 psi min.
Elongation: 200% min.
Permanent Set: 10% max.

■ Water Vapor Permeability

ASTM E-96
Procedure B 100% R.H.
Difference R.T. 0.06 Perm In.

■ Weatherability

Excellent

■ Flammability

VFI-600 and VFI-601 are not rated. VFI-600FR and VFI-601FR have passed ASTM E-108 Class A on urethane foam.

■ Toxicity

Not for use with edible substances or potable water.

■ Adhesion

Good adhesion to urethane foam, masonry, concrete and wood. VFI-600 also has excellent adhesion to most organic coatings with the exception of silicones and fluorocarbons. A primer must be used on ferrous metals to prevent corrosion. Contact Volatile Free, Inc. for specific recommendations.

Liquid Component Properties

■ Coverage

Sq.Ft./Gal./Mil 965

■ Solids

Method 4041, Fed. Std. 141
Weight: 73.6%
Volume: 60.1%

■ Volatile Organic Compounds

Contains less than 25 grams/liter

■ Flash Point

ASTM D-1310
Above 200°F T.O.C.

■ Storage Stability

Twelve months. Protect from freezing. Freezing temperature 30°F.

■ Thinning

Thinning is not recommended under normal conditions. When desired, VFI-600 may be thinned up to 5% with water. Thinning causes reduction in film build and vertical hold properties.

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-600 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 cleaning with MEK thinner or lacquer thinner to remove moisture, and prevent possible corrosion. VFI-600 products are water based and will require the complete evaporation of the water to achieve cure. DO NOT apply to surfaces that are, or will be lower than, 50°F within 12 hours.

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