

SEMI-GLOSS ACRYLIC LATEX COATING AND WATERPROOFING MEMBRANE

■ Description

VFI-610 is an acrylic latex based, elastomeric coating characterized by high tensile-elongation properties, excellent breathability, water resistance and adhesion to a variety of substrates.

■ Usage

Protective and decorative applications to walls, floors and roofing where good cleanability and toughness is needed. May be used in areas where explosion hazards preclude the use of solvent based waterproofing membranes.

■ Color

VFI-610 is available in white or slate gray. Special colors are available upon request.

Physical Properties

■ Weatherability

Excellent color stability, gloss retention and chalk resistance.

■ Tensile

ASTM D-412
Strength: 1500 psi min.
Elongation: 300% min.
Permanent Set: 25% max.

■ Hardness

ASTM D-2240
Shore A 85

■ Tear Resistance

ASTM D-624
Die C 300 pli min.

■ Water Vapor Permeability

ASTM E-96 Method B
100% R.H. Difference 0.06 perm In.

■ Toxicity

There are no known toxic exposure elements in the cured film.

■ Adhesion

Generally excellent to most surfaces.

Liquid Component Properties

■ Coverage

Sq. Ft./Gal./Mil 716

■ Solids

Method 4041, Fed. Std. 141
Weight: 54.3 ± 1%
Volume: 44.7 ± 1%

■ Volatile Organic Compounds

Meets air pollution control requirements including California Air Resources Board Regulation 1113. Volatile organic compounds content is 85 grams per liter.

■ Flash Point

Above 200°F. T.O.C>

■ Storage Stability

Two years. Protect from freezing. Freezing temperature is 29oF. If frozen, thaw at 40o to 80oF. When melted to a smooth, homogeneous condition, it is equal to original material. Do not allow material or surface of container to exceed 100oF or gelation may occur.

■ Thinning

VFI-610 is supplied at high viscosity to permit application of up to 1.5 gallons per 100 sq. ft. in a single coat to yield a 10 dry mil film thickness. Thinning by 10-15% will provide a coating for thin film applications.

Application

Apply by spray, roller or brush. A wide range of spray equipment can be used including airless spray or conventional air atomizing spray. For specific applications, contact Volatile Free, Inc. Clean up with water supplemented with liquid detergent. Spray equipment should be given a final cleaning with M.E.K.

or lacquer thinner to remove moisture and prevent possible corrosion. VFI-610 is a water based system 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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