

SINGLE COMPONENT URETHANE ROOF COATING

■ Description

VFI-550 is a single component, environmentally safe, moisture cured urethane coating.

■ Usage

VFI-550 is primarily used as a protective coating system for use over polyurethane foam, single ply, metal roofs and built-up roofs to provide weather protection and waterproofing.

■ Color

Aluminum, *Aluminum Plus

*For increased reflectivity and reduced initial color change.

Physical Properties

■ Tensile

ASTM D-412

Strength: 1400 psi min.

Elongation: 300% min.

Permanent Set: 10% max.

■ Hardness

ASTM D-676

Shore A 80 ± 5

■ Tear Resistance

ASTM D-624

Die C 150 pli

■ Water Vapor Permeability

ASTM E-96 Procedure B

100% R.H. Difference 0.02 perm In.

■ Weatherability

Excellent.

■ Chemical Resistance

Good salt and solvent resistance. Fair resistance to acid and alkali.

■ Flammability

Not rated.

■ Adhesion

Excellent adhesion to polyurethane foam, concrete and wood. See primer recommendation for other substrates.

Liquid Component Properties

■ Coverage

Sq. Ft./Gal/Mil 1130

■ Solids

Weight: 78.9% ± 0.5%

Volume: 70.5% ± 0.5%

■ V. O. C.

Contains less than 235 grams/liter.

■ Flash Point

ASTM D-56 105°F

■ Toxicity

Contains MDI isocyanate and combustible solvents. The TLV for the solvent is 200 parts per million. Provide adequate ventilation when applied in confined areas or use an air supplied face mask. The solvents and isocyanate may be irritating to the skin. Neutralize any material contacting the skin by washing with water for 10-15 minutes.

■ Storage Stability

One year from date of manufacture when stored in unopened containers below 75°F.

■ Thinner and Cleaner

Clean with Toluene, Xylene or High Flash Naphtha. Thin up to 10% with High Flash Naphtha or Mineral Spirits.

Application

■ **Equipment**

Mix VFI-550 before application to assure uniform color and consistency. VFI-550 can be applied by brush, roller or spray. Thinning up to 10% by volume is allowed if viscosity increases. For spray applications, thinning is not recommended.

■ **Primer**

No primer is required for wood or concrete. Use VFI #11 or 1007 primers on steel. Use VFI-1007 primer on copper and glass. Please call Volatile Free for details concerning your specific application.

■ **Cure Time**

VFI-550 will cure in 36 hours at 60°F and 40% relative humidity. Lower temperatures and humidity will require longer curing times.

Corporate Office: P.O. Box 344 / Brookfield, WI 53008 / 800-307-9218 / 262-787-0400 / Fax: 262-787-0500

This information and technical advice provided herein are believed to be reliable and accurate to the best knowledge of Volatile Free, Inc., as based on tests and should serve only as a recommendation. As the manufacturer, Volatile Free, Inc. makes no representations or warranties of any kind, expressed, implied or statutory, including but not limited to all implied warranties of merchantability or fitness for use or a particular purpose for the product. Volatile Free, Inc. makes no representations or warranties as to the results of the use of the product and assumes no obligation or liability in connection therewith. Volatile Free, Inc. is not liable for any incidental or consequential damages of any sort from use of this product. The information provided herein is subject to change at any time without notice. Information changes may include, but are not limited to, commercial and technical changes, changes in pricing, physical characteristics and packaging.