



## VFI-550+ SINGLE COMPONENT URETHANE ROOF COATING

### Overview

- Description**  
 VFI-550+ is a single component, environmentally safe, moisture cured urethane roof coating.
- Usage**  
 VFI-550+ is primarily used as a protective coating system for use over EPDM rubber to provide weather protection and waterproofing.
- Color**  
 Aluminum

### Physical Properties

- Hardness**  
 ASTM D-676  
 Shore A 80 ± 5
- Tensile Properties**  
 ASTM D-412  
 Strength 1400 psi  
 Elongation 300%  
 Permanent Set 10% max
- Tear Resistance**  
 ASTM D-624  
 Die C 150 pli
- Flammability**  
 Not Rated
- Flash Point**  
 ASTM D-56 105°F
- Adhesion**  
 Excellent adhesion to polyurethane foam, concrete and wood. See primer recommendation for other substrates.

### Weather & Environmental Performance

- Weatherability**  
 Excellent
- Water Vapor Permeability**  
 ASTM E-96 Procedure B  
 100% R.H. Difference 0.02 perm in
- Chemical Resistance**  
 Good salt and solvent resistance. Fair resistance to acid and alkali.
- 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**  
 Six (6) months when stored in unopened containers below 75°F.

### Liquid Component Properties

- Coverage**  
 Sq/f./gal/mil 1130
- Solids**  
 Weight 78.9% ± 0.5%  
 Volume 70.5% ± 0.5%

- **VOC**  
Contains less than 235 grams/liter

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## Application

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- **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.
- **Material preparation**  
Make sure product is uniform prior to application. If separation present, mix slowly for 3-5 minutes minimizing air entrapment. Contact your VFI representative for more information.
- **Primer**  
No primer required for wood or concrete. Use VFI-1007 primer on copper and glass. Contact Volatile Free, Inc. 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 result in longer curing times.
- **Clean-up Solvent**  
Clean with Toluene, Xylene or High Flash Naphtha. Thin up to 10% with High Flash Naphtha or Mineral Spirits
- **Limitations**  
Do not apply at >20 wet mils. Try to avoid direct sunlight if possible on days with 50% greater relative humidity. Do not apply at temperatures greater than 100°F or less than 45°F.
- **Precautions**  
Please refer to SDS for product safety and precaution information.
- **Thinning**  
Thinning is not normally required. However, thinning with up to 10% with Mineral Spirits or High Flash Naphtha is permitted.
- **Packaging**  
5 gallon pails

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

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