

## SINGLE COMPONENT URETHANE COATING

### ■ Description

VFI-525 is an environmentally safe, moisture cured urethane coating.

### ■ Usage

VFI-525 wear surface, waterproofing membrane for vehicular, pedestrian traffic decks, urethane foam and metal roof coatings.

### ■ Color

Black or dark gray. For light colors contact your V.F.I. Representative.

## Physical Properties

### ■ Tensile

ASTM D-412  
Strength: 1800 psi min.  
Elongation: 500% min.  
Permanent Set: 10% max.

### ■ Hardness

ASTM D-676  
Shore A 60 ± 3

### ■ Tear Resistance

ASTM D-624  
Die C 250 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.

### ■ 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 to 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 Hi-Flash Naphtha, thin up to 10% with High Flash Naphtha or Mineral Spirits.

## Application

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### ■ Equipment

Mix VFI-525 before application to assure uniform color and consistency. VFI-525 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, #12 or 1007 Primers on steel. Use VFI-1007 Primer on copper and glass. Contact your V.F.I. Representative for primer recommendations for wood or concrete surfaces.

### ■ Cure Time

VFI-525 will cure in 24 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**

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