

## **SINGLE COMPONENT POLYURETHANE SEALER/PRIMER**

### ■ **Description**

VFI-1007 is an isocyanate, single component polyurethane sealer/primer.

suitable for use as a tie coat when applied over elastomeric coatings prior to recoating with some other coating system.

### ■ **Usage**

Intended for use as a primer to be applied directly to concrete, wood, aluminum and steel. It is also

### ■ **Color**

Black.

## **Physical Properties**

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### ■ **Weatherability**

Poor. Do not expose to strong sunlight for more than two weeks.

### ■ **Chemical Resistance**

Good solvent, acid, alkali and salt resistance. Does not have corrosion inhibitive properties.

### ■ **Hardness**

Forms a tough, resilient, abrasion-resistant film.

### ■ **Water Vapor Permeability**

Cures to form a solvent and vapor resistant film.

### ■ **Toxicity**

Contains solvents which require ventilation of solvent vapors during application. Contains approx. 10% of a polyisocyanate which may be irritating to the skin and is toxic if inhaled as particulate matter. Any material contacting the skin should be neutralized by washing with generous quantities of water. Spray application can lead to inhalation of particulate matter; consequently, a respirator is required for spray application.

### ■ **Adhesion**

Excellent adhesion to metals, wood, concrete, masonry and most coating and plastic materials.

## **Liquid Component Properties**

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### ■ **Coverage**

Coverage on rough or porous surfaces may be as low as 100 sq. ft. per gallon (one gal./sq.) and on smooth surfaces up to 400 sq. ft. per gallon (1/4 gal./sq.)

### ■ **Cleaning**

Clean equipment with Toluene, Xylene or M.E.K.

### ■ **Solids**

Weight: 30.2%  
Volume: 26.16%

### ■ **Sealer/Primer Application**

Apply a uniform wet coat using a medium nap roller. Do not puddle. VFI-1007 can be sprayed using conventional equipment. Use of a proper respirator is necessary. Do not heat VFI-1007 before or during spray application. Also additional coats may be applied as soon as the previous coat is firm. Preferably, top coat within eight hours. Minimum recoat time with substrate temperature above 90°F is 2 hr. and at 65° - 70°F recoat in 4hr. After 24 hours inter-coat adhesion can be poor. Freezing temperatures will extend this recoat time up to 72 hours, due to the slow down in cure.

### ■ **Consistency**

50 to 100 cps.

### ■ **Flash Point**

Above 81°F T.O.C.

### ■ **Storage Stability**

One year in original unopened containers. Material may gel if not kept tightly sealed or if exposed to moisture. Normally, containers should be used up on a job or within one week after originally opened.

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