

## VFI-1007 SINGLE COMPONENT POLYURETHANE SEALER / PRIMER

### Overview

- **Description**  
VFI-1007 is a solvent based polyurethane sealer/primer.
- **Usage**
  - A as a sealer for all porous surfaces.
  - Use as a primer to be applied directly to granular rolled roofing, concrete, wood and steel.
- **Color**  
Transparent black.
- Use as a tie coat primer when applying polyurea and polyurethane coating over an existing coating.

### Physical Properties

- **Hardness**  
Forms a tough, resilient, abrasion resistant film.
- **Adhesion**  
Excellent adhesion to metal, wood concrete, masonry and most coatings and plastic materials.

### Weather & Environmental Performance

- **Weatherability & QUV Test Data**  
Poor. Not intended as a top coat.
- **Water Vapor Permeability**  
Cures to form a solvent and vapor resistant film.
- **Chemical Resistance**  
Good solvent, acid alkali resistance. Does not have corrosion inhibitive properties.
- **Flammability**  
Flammable liquid.

### Liquid Component Properties

- **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.) When coating acrylics, do not let the primer puddle on the surface. Apply at 500-600 sq/ft per gallon.
- **Solids**

Weight:	30.2%
Volume:	26.16%
- **Viscosity**  
50-100 cps
- **Liquid Material Density & Specific Gravity**  
7.69 lbs/gal (SG 0.958 g/ml)
- **VOC**  
643 g/l
- **Flash Point**  
Above 81°F (41 °C) T.O.C.

## ■ Toxicity

- Contains solvents that require ventilation of solvent vapor during application.
- Contains approximately 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.
- A respirator is required during spray application as spraying can cause inhalation of particulate matter.

## ■ Storage Stability or Shelf Life

Should be used within one week of opening container. One year in original unopened containers. Material will gel if not kept tightly sealed or if exposed to moisture.

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## Application

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### ■ 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 respirator is necessary
- Do not heat VFI-1007 before or during spray application
- Additional coats may be applied as soon as the previous coat is firm
- Top coat within eight hours
- Minimum recoat time with substrate temperature above 90°F is 2 hours
- At 65 °F to 70°F recoat in 4 hours minimum.
- After 12 hours inter-coat adhesion can be poor

### ■ Equipment

Brush, roller or sprayer

### ■ Mixing

Mix thoroughly before using. Some separation tends to occur during storage.

### ■ Substrate Preparation

All surfaces must be clean and free of contaminants and be able to provide mechanical adhesion for the coating.

### ■ Clean-up Solvent

Clean equipment with Xylene or M.E.K.

### ■ Limitations

Contact VFI's Technical Department for appropriateness of this product for your specific application.

### ■ Precautions

See Safety Data Sheet for complete safety data. Protect from exposure to moisture. Water will cause the product to generate carbon dioxide with resulting high pressure in closed containers.

### ■ Thinning

Not recommended

### ■ Packaging

5 gallon pails  
15 gallon ponies  
55 gallon drums