



## VFI-1016 SINGLE COMPONENT ADHESION PROMOTER/PRIMER

### Overview

- **Description**  
VFI-1016 is a solvent based adhesion promoter/primer.
- **Usage**
  - As an adhesion promoter/primer for steel and aluminum.
- **Color**  
Standard color is clear. Contact Volatile Free, Inc. for more information on custom colors.
- Use as a primer to be applied directly to metal.

### Physical Properties

- **Hardness**  
Negligible
- **Adhesion**  
Excellent adhesion to metal (>1000 psi typically)

### Weather & Environmental Performance

- **Chemical Resistance**  
Primed surface should not come in contact with any chemicals or reagents other than a topcoat.
- **Flammability**  
Flammable liquid.

### Liquid Component Properties

- **Coverage**  
Apply at 800-1200 sq/ft per gallon. Apply enough to thoroughly wet the entire metal surface.
- **Solids**

Weight:	3%
Volume:	3%
- **Viscosity**  
2-3 cps
- **Liquid Material Density & Specific Gravity**  
7.22lbs/gal (SG 0.866 g/ml)
- **VOC**  
840 g/l
- **Flash Point**  
Above 81°F (41 °C) T.O.C.
- **Toxicity**
  - Contains solvents that require ventilation of solvent vapor during application.
  - 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**  
12 months in original unopened containers. Product should be mixed to ensure proper dispersion each time before use.

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## Application

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- **Equipment**

VFI-1016 can be applied using conventional spray equipment, brush or clean rag.

- **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. A minimum 2 mil profile should be used on metal.

- **Primer Application**

- Apply a uniform wet coat using a clean rag or brush. Do not puddle, but make sure the entire surface to be coated is wetted out.
- Use of respirator is necessary
- Do not heat before or during spray application
- Top coat within six hours
- Minimum recoat time with substrate temperature above 70°F is 1 hour.
- At 80 °F to 90°F recoat in 30 minutes minimum.

- **Clean-up Solvent**

Clean equipment with Xylene or MEK.

- **Thinning**

Not recommended or needed

- **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 other chemicals as they may react with the coupling agent carried in the solvent.

- **Packaging**

1 gallon container  
5 gallon pails  
15 gallon ponies  
55 gallon drums

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

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