



VFI-1074 Rust Inhibitor

Overview

- **Description**
 VFI-1074 is a water-based industrial rust inhibitive primer manufactured with a light blue color to easily determine coverage. VFI-1074 is designed to inhibit further oxidation resulting in rust degradation and to prevent bleed-through when using elastomeric coatings.
- **Color**
 Light Blue
- **Usage**
 - Recommended for use on various metal components that exhibit oxidation or rusting. Designed to prevent further exposure to environmental conditions that cause oxidation of the metal, commonly known as rust.
 - Promotes adhesion of elastomeric coating applied to metal surface that exhibit signs of oxidation. Contact VFI technical support for clarification of unusual surfaces or project conditions.

Features and Benefits

- **Description**
 - VFI-1074 is suitable as a spot rust primer or for application to widespread areas of the roof.
 - Enhanced with a light blue color to ensure areas of application receive proper coverage.
- Water-based formula is non-flammable during application, compliant with VOC requirements and easily cleans up with water prior to curing.

Physical Properties

- **Elongation (%)**
 - ASTM D 2370 400 +/-50
- **Flexibility @ 15°F mandrel (pass/fail)**
 - ASTM D 522B Pass
- **Viscosity (cP)**
 - Brookfield 4d/5 RPM/77°F 28,000 – 58,000
- **Tensile Strength (psi)**
 - ASTM D 2370 200 + /-25

Weather & Environmental Performance

- **Service Temperature**
 - 50°F to 120°F
- **Accelerated Weatherability @ 1000 hr (pass/fail)**
 - ASTM D 4798 Pass
- **Fungi Resistance (pass/fail)**
 - ASTM G 21 Pass
- **Permeance (perms)**
 - ASTM D 1653 27(wet), 13 (dry)

Liquid Component Properties

- **Solids**
 - Weight - ASTM D 1644 >60
 - Volume - ASTM D 2697 >50
- **Liquid Material Density & Specific Gravity**
 - ASTM D 2939 11 +/-0.5
- **VOC**
 - The volatile organic content is <50 grams per liter.
 - Flash Point (°F) >212 PMCC
- **pH (rating)**
 - Std method >9

- **Storage Stability or Shelf Life**
Typically 18 months from date of manufacture when properly stored. Keep containers covered when not in use. Do not store at temperature greater than 120°F. Do not allow product to

freeze. Discard if any degrees of freezing would occur.

Application

- **Equipment**
VFI-1074 may be applied by high pressure spray, roller or brush application methods.
- **Material Preparation**
Do not apply at temperatures greater than 120°F. Store 24 hours at room temperature prior to application.
- **Mixing**
Stir well prior to application.
- **Substrate Preparation**
 - All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products.
 - Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants.
 - Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of performance of newly installed products, Repair any visible deficiencies such as splitting, blistering, and buckling.
 - Visually inspect all metal and non-metal flashings, edges, drains, valleys and through-roof penetrations and repair as needed by project conditions.
 - Do not apply to wet or visibly damp surfaces, or surfaces previously covered

with coal tar based products or Kynar finishes.

- Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.

- **Application**

- Apply VFI-1074 at 18-24 wet mils (1.125 to 1.5 gallon per 100 square feet) per coat.
- Apply only when ambient temperatures are 50° F and rising. Cold weather could result in uneven application and improper curing of product. Do not apply if there is a threat of inclement weather within 4 hours of application.

- **Clean Up**

Clean equipment and overspray with water. Clean hands with waterless hand cleaner.

- **Precautions**

See Safety Data Sheet for complete safety data and handling of the product.

- **Thinning**

Do not thin. Do not heat outside of container.

- **Packaging**

- 1 Gallon Pail
- 5 Gallon Pail

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

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