VFI-1007 SINGLE COMPONENT POLYURETHANE SEALER / PRIMER

Overview

- Description
  VFI-1007 is a solvent based polyurethane sealer/primer.

- Usage
  - As a sealer for all porous surfaces.
  - Use as a primer to be applied directly to granular rolled roofing, concrete, wood and steel.
  - Use as a tie coat primer when applying polyurea and polyurethane coating over an existing coating.

- Color
  Transparent black.

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.

Application

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.

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.

Equipment
- Brush, roller or sprayer

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

Thinning
Not recommended

Packaging
- 5 gallon pails
- 15 gallon ponies
- 55 gallon drums

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