



VFI-607 SINGLE COMPONENT ACRYLIC BASECOAT/PRIMER

Overview

■ Description

VFI-607 is a water-borne, single component, acrylic basecoat/primer characterized by excellent strength, water resistance, asphalt bleed blocking and weatherability.

■ Usage

Applicable uses include the following:

- Protective primer/basecoating system for exterior asphalt, built up roof, cap sheet or any roofing substrate that may leach hydrocarbon oils/liquids.
- Basecoat/primer for acrylic or silicone topcoats that can be impregnated with reinforcing fabric to add strength to non-reinforced surfaces.

■ Limitations

- **DO NOT** apply to surfaces where substrate or ambient temperatures are below 45°F.
- **DO NOT** apply directly to single ply membranes or any other surfaces that are not asphalt based without a primer or prior approval from a Volatile Free, Inc representative.
- **DO NOT** apply when there is a possibility of temperatures falling below 32°F within a 4 hour period after application, or rain is in the forecast.

- **Color**
Blue

Physical Properties

■ Hardness

ASTM D-2240
Shore A 70-75

■ Tensile Properties

ASTM D-412
Strength 600 psi min
Elongation 600%

■ Tear Resistance

ASTM D-624
Die C 100 pli min

■ Flammability

Not Rated. If a rated system is needed use VFI-605 and VFI-650. They have passed ASTM E-108 Class A over VFI-727 foam.

■ Adhesion

Good adhesion to asphaltic substrates, masonry, and concrete. A primer must be used for single ply recoat and on ferrous metals to prevent corrosion. Contact Volatile Free, Inc. for specific recommendations, or further details.

Weather & Environmental Performance

■ Dry Time

1-2 hours at 72°F, 50% RH

■ Cool Roof Test Results

Adhesion varies based asphaltic substrate. Adhesion failure is generally due to limitations of asphaltic substrate, not VFI-607 adhesion.

■ Surface Tack

Residual tack will vary depending on how long the coating is directly exposed to heat prior topcoating.

Liquid Component Properties

- **Coverage**
100-200 sq ft/gallon depending on roughness of substrate or fabric embedding.
- **Solids**
Method 4041, fed. Std. 141
Weight 45.0%
Volume 40.5%
- **VOC**
Contains less than 25 grams/liter
- **Packaging and Shelf Life**
12 months shelf life between 40°F and 72°F. Protect from freezing below 32°F. Available in 1 gallon and 5 gallon pails and 55 gallon drums.
- **Thinning**
Thinning is not recommended under normal conditions. When necessary, VFI-607 can be thinned up to 5% with water. Thinning causes reduction in film build and changes flow properties.

Application

Prior to applying VFI-607, ensure that surfaces to be coated are clean and dry, and free of loose dirt or particles. Make sure to mix, shake or stir VFI-607 prior to use.

Apply by spray, roller or brush. A wide range of spray equipment can be used including airless spray or conventional spray.

Apply VFI-607 at a rate of 100-200 sq/ft gallon to the asphaltic substrate. Coverage will depend on a variety of factors such as granule profile, porosity of substrate, general roughness of substrate.

Allow VFI-607 to dry thoroughly prior to topcoating with VFI-605, VFI-650 or VFI-991. The surface will still contain residual tack, but coating will not transfer to finger with touch.

When using VFI-607 to embed fabric, apply the VFI-607 only to the area to be covered with one sheet of reinforcing fabric at a time. Once the bottom or fabric is anchored and embedded, coat the top of the fabric with VFI-607 at a rate of 2-3 gallons per 100 square feet.

The fabric/VFI-607 will serve as a basecoat to be topped with an acrylic or silicone topcoat.

Clean up with water supplemented with liquid detergent. Spray equipment should be given a final cleansing with MEK thinner or lacquer thinner to remove moisture, and prevent possible corrosion.

VFI-607 products are water based and will require the complete evaporation of water to achieve cure.

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

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