



## VFI®-640-1 Gray Acrylic Coating

**VFI®-640-1 Gray Acrylic Coating** is a liquid applied coating that forms a seamless film using acrylic chemistry. VFI-640-1 provides UV stability and a waterproofing membrane in a water based single component package that cures at room temperature. VFI-640-1 was specifically engineered for use in VOC sensitive areas and is resistant to high temperatures and oxidation.

### → Technical Usage

VFI®-640-1 Gray Acrylic Coating has been used in the following applications and may be used in many more applications. Contact Volatile Free, Inc. for more information on any specific applications.

- Above Grade Waterproofing
- Liquid Applied Roofing
- RV Coatings

### → Color

Standard color is gray. For additional premium colors or color matching services contact Volatile Free, Inc.

### → UV Stability

This product is UV color stable and has long term UV testing. For additional information contact Volatile Free, Inc.

### → Coverage/Thickness Requirement

See VFI specifications for specific coverage information or contact Volatile Free, Inc. for additional coverage/thickness requirements.

### → Storage Stability/Shelf Life

12 month shelf life from date of manufacture when stored and sealed in unopened containers between 40°F - 75°F. Water based products must be protected from freezing. Material should be brought to a minimum temperature of 65°F before use.

### → Equipment

VFI-640-1 Gray Acrylic Coating may be applied by sprayer, roller, or brush. If sprayed, use single component spray equipment capable of maintaining a minimum constant spray pressure of 5000 psi. A 5:1 transfer pump should be used with drums. Contact Volatile Free, Inc. for more information on any specific equipment questions and requirements.

### → Surface Preparation

Surface preparation depends on application and substrate being coated. All surfaces should be cleaned, prepped and free of any oils, dirt or films that could affect the product adhesion. Contact Volatile Free, Inc. with any additional questions.

### → Mixing

Mixing until uniform is required on all material before use. Mix times may vary depending on volume and mixing method. Please contact Volatile Free, Inc. for more information on any specific mixing questions and requirements.

### → Material Application

Material can be applied between 50°F - 120°F and the temperature must remain above 40°F until full cure. Apply only when rain or other moisture contamination will not present before fully cured. Standard application is a multiple coat method with 24 wet mil passes until the desired thickness is reached. The time between subsequent coats should not exceed 48 hours, but materials should be allowed to cure before applying the second coat. Material cure time will vary with temperature.

### → Primers

Volatile Free, Inc. recommends adhesion patch testing before use and additional adhesion patch testing with the chosen primer. The following are approved primers for use with VFI-640-1 Gray Acrylic Coating. Contact Volatile Free, Inc. with any primer questions.

- VFI-#11
- VFI-607
- VFI-1074-1
- VFI-3218

### → Cleanup Solvent

Preferred cleanup method is water. Please contact Volatile Free, Inc. for more information on cleanup of equipment and tools.

### → Thinning








Do not thin prior to application.

### → Precautions

See Safety Data Sheet for complete safety data. Do not add any foreign material to this product. Avoid prolonged breathing of vapors and prolonged or repeated skin contact. Use only with adequate ventilation.

# VFI® 640-1 GRAY ACRYLIC COATING

## Application Method

 SPRAY	 QWIK SPRAY	 BRUSH	 TROWEL	 ROLLER	 INJECTABLE	 POUR
X	-	X	-	X	-	-

## Physical Properties

Elongation	300%
Tear Strength	80 pli
Low Temperature Flexibility	Pass
Fungi Resistance	0
Tensile Strength	200 psi
Permeance	14 perms
Resistance to Wind Driven Rain	Pass
Water Swelling	20%
Appearance after 1,000 Hours Accelerated Weathering	Pass
Elongation after 1,000 Hours	Pass

## Liquid Properties

Solids by Weight	61%
Solids by Volume	57%
Liquid Density	10.90 lbs/gal
Specific Gravity	1.30 g/mL
Viscosity	26,000 cps
VOC	<25 g/L

## Packaging



## Testing & Approvals



**VOLATILE FREE, INC.**

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