



VFI®-605-1 White Acrylic Coating

VFI®-605-1 White Acrylic Coating is a liquid applied coating that forms a seamless film using acrylic chemistry. VFI-605-1 provides UV stability and a waterproofing membrane in a water based single component package that cures at room temperature. VFI-605-1 Acrylic was specifically engineered for use in VOC sensitive areas and is resistant to high temperatures and oxidation.

→ Technical Usage

VFI®-605-1 White 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.

- Roof Coatings
- Recreation Vehicle (RV) Roof Coatings
- Lanai and Elevated Patio Waterproofing

→ Color

Standard color is white. Gray color is available in VFI-640-1 Gray Acrylic Coating. 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-605-1 White 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. 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 is 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-605-1 White 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®-605-1 WHITE ACRYLIC COATING

Application Method

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

Physical Properties

Tear Strength	80 pli
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
Aged Solar Reflectance of White (Rapid Ratings*)	0.76
Aged Thermal Emittance of White (Rapid Ratings*)	0.92
Low Temperature Flex	Pass
Appearance after 1,000 Hours Accelerated Weathering	Pass

Liquid Properties

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

Packaging



Testing & Approvals



VOLATILE FREE, INC.

19500 JANACEK COURT | BROOKFIELD, WI 53045 | (262) 787-0400 | TOLL-FREE (800) 307-9218 | FAX (262) 787-0500 | INFO@VOLATILEFREE.COM

This information and technical advice provided herein are believed to be reliable and accurate to the best knowledge of Volatile Free, Inc., As based on tests and should serve only as a recommendation. As the manufacturer, Volatile Free, Inc makes no representations or warranties of any kind, expressed, implied or statutory, including but not limited to all implied warranties of merchantability or fitness for use or a particular purpose, or any other matter with respect to this product. Volatile Free, Inc makes no representations or warranties as to the results of the use of the product and assumes no obligation or liability in connection therewith. Volatile Free, Inc is not liable for any special, exemplary, punitive, incidental or consequential damages of any sort or kind from use of this product. The information provided herein is subject to change at any time without notice. Information changes may include, but are not limited to, commercial and technical changes, changes in pricing, physical characteristics and packaging.