



## VFI®-3401 Vertical Polyurethane Base Coat

**VFI®-3401 Vertical Polyurethane Base Coat** is used as a protective elastomer for strength and waterproofing on vertical applications. Vertical urethane base coat provides strength, toughness, and vertical hang to build thickness quickly without the need of multiple coats. VFI-3401 works best with a silicone or acrylic topcoat in order to provide waterproofing and UV stability. VFI-3401 Vertical Polyurethane Base Coat has no VOC's and can be used in areas with strong VOC regulations.

### → Technical Usage

VFI®-3401 Vertical Polyurethane Base Coat 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
- Deck Coatings
- Industrial Coatings

### → Color

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

### → UV Stability

This product is **NOT** UV color stable and has no long-term UV testing. For additional information contact Volatile Free, Inc.

### → Coverage/Thickness Requirement

Contact Volatile Free, Inc. for more thickness requirements and specifications.

### → Storage Stability/Shelf Life

12 month shelf life from date of manufacture when stored and sealed in unopened containers between 40°F - 75°F. Opened containers may be resealed with a nitrogen purge, but shelf life will be significantly shortened. Material should be brought to a minimum temperature of 65°F before use.

### → Equipment

VFI-3401 Vertical Polyurethane Base Coat may be rolled or brushed. Contact Volatile Free, Inc. for specific instructions and equipment 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

Pre-mixing Poly (B) components until uniform is required before combining Poly (B) and Iso (A). If pouring material by hand pre-weighed Poly (B) must be poured into pre-weighed Iso (A) and then mixed until uniform. Product must be fully mixed and used before the duration of the pot life. 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

Temperature should be between 50°F - 100°F when the product is being used. The pot life will shorten with any increases in temperature beyond 72°F. Standard application is a coat thickness of 125 wet mils after 2 minutes of thickening in container. Fabric may be embedded for patch repair or additional strength. Contact Volatile Free, Inc. for more information on recommended application methods.

### → 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-3401 Vertical Polyurethane Base Coat. Contact Volatile Free, Inc. with any primer questions.

- VFI-#11
- VFI-1007
- VFI-3218

### → Cleanup Solvent

Preferred cleanup solvent is xylene or MEK. Please contact Volatile Free, Inc. for more information on cleanup of equipment and tools.

### → Thinning








Do not thin prior to application.

### → Precautions

Contains isocyanate that may be irritating to the skin and is toxic if inhaled as particulate matter. 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®-3401 VERTICAL POLYURETHANE BASE COAT

## Application Method

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

## Physical Properties

Hardness Shore A	77
Hardness Shore D	27
Tensile Strength	1,150 psi
Elongation	300%
Tear Strength	130 pli
Elastic Modulus	800 psi
Solid Material Density	67.3 PCF
Dimensional Stability	0.02%

## Liquid Properties

Solids by Weight	100%
Solids by Volume	100%
Liquid Density A Side	9.3 lbs/gal
Liquid Density B Side	8.7 lbs/gal
Mixed Liquid Density	9.00 lbs/gal
Specific Gravity A Side	1.12 g/mL
Specific Gravity B Side	1.04 g/mL
Specific Gravity Mixed	1.08 g/mL
Ratio by Volume (A:B)	1A:1B
Ratio by Weight (A:B)	100A:93.02B
Viscosity A Side	5,000 cps
Viscosity B Side	12,500 cps
Pot Life	22 minutes
Gel Time	27 minutes
Recoat Window	4-48 hours
Full Cure	4 days
VOC	0

## Packaging



5 GALLON 1 GALLON

 VOLATILE FREE, INC.

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