



## VFI®-542 High Pressure Spray Bedliner

**VFI®-542 High Pressure Spray Bedliner** is a fast set, 100% solids, polyurea hybrid truck bedliner system that provides a durable and rust preventive coating. Applied as a plural component, VFI-542 provides excellent tensile strength and elongation that will protect the substrate from damage. VFI-542 has been tested in cold and hot environments and will not crack or peel under extreme temperatures. Polyurea hybrid technology provides excellent properties to assist in protection against chemical spills to lengthen the life of the coating and the substrate.

### → Technical Usage

VFI®-542 High Pressure Spray Bedliner 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.

- Below Grade Waterproofing
- Industrial Coatings
- Recreation Coatings
- Spray in Bed Liners

### → Color

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

### → UV Stability

This product is UV color resistant. For additional information contact Volatile Free, Inc.

### → Coverage/Thickness Requirement

Contact Volatile Free, Inc. for 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

For specific instructions and equipment requirements, contact Volatile Free, Inc.

### → 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's adhesion. Contact Volatile Free Inc. with any additional questions.

### → Mixing

Pre-mixing Poly (B) components until uniform is required before spraying. Mix times 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 40°F - 100°F when the product is being used. The speed will increase with temperature beyond 72°F. Material temperature should be above 65°F before spraying. Contact Volatile Free, Inc. for more information on additional applicator instructions.

### → Primers

Volatile Free, Inc. does not recommend primers on a properly prepared metal surface. The following are approved primers for use with VFI-542 High Pressure Spray Bedliner to increase adhesion. Contact Volatile Free, Inc. with any primer questions.

- VFI-#11
- VFI-1016
- VFI-1017
- 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®-542 HIGH PRESSURE SPRAY BEDLINER

## Application Method

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

## Physical Properties

<b>Tensile Strength</b>	2,410 psi
<b>Elongation</b>	37%
<b>Tear Strength</b>	241 pli
<b>Hardness Shore A</b>	87
<b>Hardness Shore D</b>	57
<b>Solid Material Density</b>	65.75 PCF
<b>Elastic Modulus</b>	12,987 psi
<b>Yield Strength</b>	1,464 psi
<b>Permanent Set</b>	2%
<b>Cold Temperature Flexibility</b>	Pass
<b>Adhesion Strength Prepared Steel/Prepared Concrete</b>	675/825 lbs/in <sup>2</sup>

## Liquid Properties

<b>Solids by Weight</b>	100%
<b>Solids by Volume</b>	100%
<b>Liquid Density A Side</b>	9.38 lbs/gal
<b>Liquid Density B Side</b>	8.26 lbs/gal
<b>Mixed Liquid Density</b>	8.83 lbs/gal
<b>Specific Gravity A Side</b>	1.143 g/mL
<b>Specific Gravity B Side</b>	0.99 g/mL
<b>Specific Gravity Mixed</b>	1.06 g/mL
<b>Ratio by Volume (A:B)</b>	1A:1B
<b>Viscosity A Side</b>	900 cps
<b>Viscosity B Side</b>	800 cps
<b>Gel Time</b>	4 seconds
<b>Tack Free</b>	28 seconds
<b>Recoat Window</b>	2 hours
<b>Place into Service</b>	Light 4 hours full 24 hours
<b>Full Cure</b>	5 days
<b>VOC</b>	0

## Packaging



TOTE



DRUM

 VOLATILE FREE, INC.

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