



VFI®-425 High Pressure Foundation Spray Coating

VFI®-425 High Pressure Foundation Spray Coating is a fast setting, 100% solids, polyurea hybrid below grade waterproof coating that provides water protection and strength. Applied with a plural component high pressure spray system, VFI-425 provides excellent tensile strength and elongation that will protect a foundation prior to backfilling. VFI-425 High Pressure Foundation Spray Coating excels at offering waterproofing capabilities that provide a long lasting barrier to protect commercial and residential foundations from degradation.

→ Technical Usage

VFI®-425 High Pressure Foundation Spray 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.

- 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

Contact Volatile Free, Inc. with any primer questions.

→ 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®-425 HIGH PRESSURE FOUNDATION SPRAY COATING

Application Method

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

Physical Properties

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

Liquid Properties

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

Packaging



TOTE



DRUM

 VOLATILE FREE, INC.

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