



VFI®-3119 60 A Polyurea Hybrid Spray Coating

VFI®-3119 60 A Polyurea Hybrid Spray Coating is a flexible, fast setting, spray applied coating that is ideal for creating a soft durable film. A 100% solids two part spray applied coating, VFI-3119 can be sprayed vertically without sagging and with good thickness. A polyurea hybrid allows for increased impact protection, thermocycling resistance, and is good for internal and external use with a UV stable top coat. VFI-3119 Polyurea Hybrid Spray Coating is extremely flexible with a low modulus allowing it to resist many different types of impact.

→ Technical Usage

VFI®-3119 60 A Polyurea Hybrid 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.

- Industrial Coatings

→ Color

Standard color is cream. Additional colors and color matching services are available contact Volatile Free, Inc.

→ UV Stability

This product is **NOT** UV color stable. 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 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 40°F - 100°F when the product is being used. The speed will increase with temperature beyond 72°F. Contact Volatile Free, Inc. for more information on recommended release agents or sealants.

→ 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.

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Application Method

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

Physical Properties

Hardness Shore A	67
Hardness Shore D	20
Tensile Strength	1,200 psi
Elongation	800%
Tear Strength	240 pli
Yield Strength	175 psi
Elastic Modulus	900 psi
Cold Temperature Flexibility	Pass
Solid Material Density	65.60 PCF
Water Vapor Permeability	1.65 perm
Water Absorption	1.50%
Permanent Set	30%
Adhesion Strength Prepared Steel/Prepared Concrete	>500 lbs/in ²

Liquid Properties

Solids by Weight	100%
Solids by Volume	100%
Liquid Density A Side	9.07 lbs/gal
Liquid Density B Side	8.47 lbs/gal
Mixed Liquid Density	8.66 lbs/gal
Specific Gravity A Side	1.08 g/mL
Specific Gravity B Side	1.01 g/mL
Specific Gravity Mixed	1.04 g/mL
Ratio by Volume (A:B)	1A:1B
Viscosity A Side	2,000 cps
Viscosity B Side	550 cps
Gel Time	12 seconds
Tack Free	45 seconds
Recoat Window	4 hours
Place into Service	6 hours light, 48 full
Full Cure	3 days

Packaging



DRUM

 VOLATILE FREE, INC.

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