



VFI®-2839 95 A Aliphatic Casting Rubber

VFI®-2839 95 A Aliphatic Casting Rubber is a fast setting, 95 A hardness, two-part spray or injected polyurea with excellent physical properties. An aliphatic polyurea provides color stability and moisture insensitivity to give a very versatile product for indoor and outdoor products. With good chemical and solvent resistance, VFI-2839 is able to withstand harsh environments and climate changes. A low viscosity allows for multiple processing methods for many different final applications.

→ Technical Usage

VFI®-2839 95 A Aliphatic Casting Rubber 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

- Industrial Coatings
- Industrial Part Making
- Table Edging

→ Color

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

→ UV Stability

This product is 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

All surfaces should be cleaned, prepped and free of any oils, dirt or debris. To demold, material must be non-porous or sealed with a chemical sealant. A release agent should be used on all products intended to be demolded. Before coating surfaces adhesion testing should be done and/or a primer before coating. Contact Volatile Free, Inc. with any additional questions.

→ Mixing

Pre-mixing Poly (B) components until uniform is required before injecting or 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. Ensure surfaces are properly prepared before applying or injecting the material. 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.

VFI®-2839 95 A ALIPHATIC CASTING RUBBER

Application Method

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

Physical Properties

Hardness Shore A	97
Hardness Shore D	47
Tensile Strength	1,200 psi
Elongation	300%
Tear Strength	400 pli
Elastic Modulus	12,000 psi
Cold Temperature Flexibility	Pass
Solid Material Density	64.3 PCF
Adhesion Strength Prepared Steel/Prepared Concrete	>500 lbs/in ²

Liquid Properties

Solids by Weight	100%
Solids by Volume	100%
Liquid Density A Side	8.68 lbs/gal
Liquid Density B Side	8.47 lbs/gal
Ratio by Volume (A:B)	1A:1B
Viscosity A Side	800 cps
Viscosity B Side	1,000 cps
Gel Time	6 seconds
Tack Free	45 seconds
Recoat Window	20 minutes
Full Cure	3 days

Packaging



TOTE



DRUM



5 GALLON



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