



VFI®-5000 90 A Expansion Joint Filler

VFI®-5000 90 A Expansion Joint Filler is a two-part, 90 A hardness joint filler ideal for providing a seal within a joint. The strong elastomeric properties of VFI-5000 are critical when expansion and contraction occurs to make sure the joint stays sealed. VFI-5000 Expansion Joint Filler has a fast cure time for decreased down time allowing the material to be trimmed quickly after application. Whether machine dispensed or using the QWIK SPRAY SYSTEM, VFI-5000 gives the versatility to be either a patching joint filler or the primary joint filler.

→ Technical Usage

VFI®-5000 90 A Expansion Joint Filler 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
- Joint Filler

→ Color

Standard color available is medium gray. For additional premium colors or color matching services 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

6 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

5000-90 A Polyurea Hybrid Joint Filler repair requires a plural component Qwik Spray Applicator Gun for dual 300 mL or 750 mL cylinders when purchased as the QWIK SPRAY SYSTEM™. An air compressor that can provide at a minimum 100 PSI and 10 CFM of constant pressure is also required to run the Qwik Spray Applicator Gun. A low pressure plural component machine can be used for all other options. For additional 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 injecting or spraying. Mix times may vary depending on volume and mixing method. Mixing in the QWIK SPRAY SYSTEM™ should not be required unless material is visibly separated. Contact Volatile Free, Inc. for more information on 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. Material temperature should be above 65°F before use. 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®-5000 90 A EXPANSION JOINT FILLER

Application Method

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

Physical Properties

Hardness Shore A	87
Hardness Shore D	32
Tensile Strength	1,346 psi
Elongation	82%
Tear Strength	78 pli

Liquid Properties

Solids by Weight	100%
Solids by Volume	100%
Liquid Density A Side	8.96 lbs/gal
Liquid Density B Side	9.23 lbs/gal
Mixed Liquid Density	9.08 lbs/gal
Specific Gravity A Side	1.076 g/mL
Specific Gravity B Side	1.108 g/mL
Specific Gravity Mixed	1.09 g/mL
Mixed Solids By Volume	100%
Viscosity A Side	700 cps
Viscosity B Side	400 cps
Pot Life	1 minute
Place into Service	90 minutes

Packaging



TOTE



DRUM



5 GALLON



CARTRIDGE

 **VOLATILE FREE, INC.**

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