



## VFI®-5055 75 D Concrete Patch Repair

**VFI®-5055 75 D Concrete Patch Repair** is a low viscosity, high hardness material that can be hand mixed or dispensed through the QWIK SPRAY SYSTEM™. The low viscosity and high hardness properties, when used in combination with an aggregate, provides a tough durable patch for any porous concrete surface. Due to polyurethane chemistry, VFI-5055 can be used in below freezing temperatures allowing for year round repairs. VFI-5055 Concrete Patch Repair creates durability and high rigidity resulting in a permanent repair to concrete areas where damage has occurred.

### → Technical Usage

VFI®-5055 75 D Concrete Patch Repair 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
- Concrete Repair
- Deck Coatings
- Industrial Coatings
- Joint Filler

### → Color

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

### → UV Stability

This product is **NOT** UV color stable and has no long-term UV testing. 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

VFI-5055 75 D Concrete Patch Repair requires a plural component Qwik Spray Applicator Gun for dual 300 mL cylinders. 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. 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 combining Poly (B) and Iso (A). Material in tubes is required to be shaken until uniform before use. If pouring material by hand pre-weighed Poly (B) must be poured into pre-weighed Iso (A) and then mixed until uniform and transferred to a new container to mix until uniform again before use. Product must be fully mixed and used before the duration of the pot life. 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 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®-5055 75 D CONCRETE PATCH REPAIR

## Application Method

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

## Physical Properties

<b>Hardness Shore D</b>	75
<b>Tensile Strength</b>	3,444 psi
<b>Elongation</b>	4%
<b>Tear Strength</b>	172 pli
<b>Elastic Modulus</b>	38,639
<b>Compressive Strength</b>	8,000 psi
<b>Impact Resistance Unnotched Izod</b>	13.41 ft/lb per inch
<b>Slant Shear Bond Test</b>	1,420 psi
<b>Flexural Strength/Modulus</b>	8,091 psi/175,123 psi

## Liquid Properties

<b>Solids by Weight</b>	100%
<b>Solids by Volume</b>	100%
<b>Liquid Density A Side</b>	9.51 lbs/gal
<b>Liquid Density B Side</b>	8.52 lbs/gal
<b>Mixed Liquid Density</b>	9.00 lbs/gal
<b>Specific Gravity A Side</b>	1.142 g/mL
<b>Specific Gravity B Side</b>	1.023 g/mL
<b>Specific Gravity Mixed</b>	1.08 g/mL
<b>Ratio by Volume (A:B)</b>	1A:1B
<b>Mixed Solids by Volume</b>	100%
<b>Viscosity A Side</b>	65 cps
<b>Viscosity B Side</b>	49 cps
<b>Pot Life</b>	90 seconds
<b>Place into Service</b>	10 minutes

## Packaging



**VOLATILE FREE, INC.**

19500 JANACEK COURT | BROOKFIELD, WI 53045 | (262) 787-0400 | TOLL-FREE (800) 307-9218 | FAX (262) 787-0500 | [INFO@VOLATILEFREE.COM](mailto:INFO@VOLATILEFREE.COM)

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