

Technical Data Sheet



Willamette Valley Company

www.wilvaco.com

www.polyquik.com

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Partnering through service,
innovation, and integrity

FastPatch 5000

High Strength Concrete Repair

DESCRIPTION

FastPatch 5000 is a flexible and tough concrete repair material with excellent adhesion. FastPatch 5000 is a 100% solids, 2-component urethane designed to meet 5,000 psi compression strength requirements combined with excellent flexibility and resilience. Areas repaired with FastPatch 5000 can be re-opened to traffic in less than one hour.

WHERE TO USE

- Roads/Highways
- Bridges
- Warehouse Floors
- Parking Decks
- Sidewalks
- Any Crack or Spall in Concrete Needing Repair

FEATURES AND BENEFITS

- **Rapid cure**— as little as 1 hour return to service
- **100% Solids, no odor**
- **1:1 Ratio by volume**—easy application
- **Excellent concrete adhesion**
- **Minimal equipment requirements**
- **Ideal for concrete repairs where high strength material is required**

PACKAGING

- 20-oz. (600 mL) Cartridge
- 50-oz. (1500 mL) Cartridge

FastPatch 5000 Kit (aggregate included)
FastPatch 5000 High-Yield Kit

- 5-Gallon (19-Liter) Pail
- 50-Gallon (190-Liter) Drum
- 200-Gallon (757-Liter) Tote

COLORS

Gray

SHELF LIFE

1 year when properly stored.

STORAGE

Store and ship this product in clean, dry, low-humidity, and shaded or covered environments between 50 and 90°F (10-32°C)

TYPICAL PROPERTIES

| | Result | ASTM |
|--|--|-------|
| Solids Content | 100%, SCAQMD compliant | D2369 |
| Tack-Free Time | 10 minutes | C679 |
| Concrete Adhesion, Unprimed | 600 psi (4.1 MPa), concrete failure | D4541 |
| Concrete Adhesion, Primed | 1,200 psi (8.3 MPa), concrete failure | D4541 |
| Compression Strength, gravel aggregate, 3.5 hour ambient cure | 1,500 psi (10.3 MPa) | C109 |
| Compression Strength, gravel aggregate, 158°F (70°C) overnight cure | 5,000 psi (34.5 MPa) | C109 |
| Hardness | 70 Shore D | C661 |
| Mix Ratio (by Volume) | 1:1 | - |

APPLICATION INSTRUCTIONS

For instructions on how to handle and apply FastPatch 5000 from cartridges, please refer to [POLYQuik® Cartridge Instructions](#). For handling and applying from kits: [POLYQuik® Kit Instructions](#). For applications with WVCO/Pre-Tec metering equipment, training will be provided. If you have specific questions related to your dispensing equipment, please contact your WVCO representative or customer support.

For concrete spall and crack repair guidelines, please refer to: [POLYQuik® Concrete Spall and Crack Repair Guidelines](#)

For bridge header repair guidelines, please refer to: [POLYQuik® Bridge Header and Joint Installation Guidelines](#)

ESTIMATED COVERAGE

Crack filling (without aggregate)

| Crack Dimensions | Linear Feet (Meter) per 20 oz. (600 mL) Cartridge | Linear Feet (Meter) per Gallon (3.8 Liter) |
|---------------------------------|--|---|
| 1/8' x 1/2' (3.2 x 12.7 mm) | 14.8 (4.5) | 95 (29) |
| 1/4' x 1/2' (6.4 x 12.7 mm) | 7.4 (2.3) | 47 (14) |
| 1/2' x 1/2' (12.7 x 12.7 mm) | 3.7 (1.1) | 24 (7.2) |
| 1' x 1/2' (25.4 x 12.7 mm) | 1.8 (0.6) | 12 (3.6) |

Concrete repair yield-volumes are with aggregate. Coverage area assumes 2" (51 mm) average repair depth.

| | Yield | Coverage Area ft ² (m ²) |
|---|--------------------------|---|
| 20 oz (600 mL) cart. | 90 in3 (1.5 liters) | 0.31 (0.03) |
| 50 oz (1500 mL) cart. | 225 in3 (3.7 liters) | 0.78 (0.07) |
| 1 gallon (3.8 liter) of mixed material | 2.5 gallons (9.5 liters) | 2.01 (0.19) |
| FastPatch 5000 Kit | 2.5 gallons (9.5 liters) | 2.01 (0.19) |
| FastPatch 5000 High Yield Kit | 5 gallons (19 liters) | 4.01 (0.373) |

HEALTH AND SAFETY

Before handling, you should become familiar with the Safety Data Sheet (SDS) regarding the risks and safe use of this product. To obtain an SDS, please call 800-333-9826 or send an email to: msds@wilvaco.com.

DISCLAIMER OF WARRANTY

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