



The Willamette Valley

Company LLC

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Partnering through service,  
integrity, and innovation

# FastPatch 5600

## High Strength Concrete Repair Kit

### DESCRIPTION

FastPatch 5600 is a flexible and tough concrete repair material utilizing an integrated aggregate system. FastPatch 5600 is specifically designed to meet 5,000 psi compression strength requirements but also maintains excellent flexibility and resilience. FastPatch 5600 is provided in an easy to use 0.5 cu. ft. kit.

### WHERE TO USE

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

### FEATURES AND BENEFITS

- **Rapid Cure**— fast return to service
- **100% Solids, No VOC, No Odor**
- **Integrated Aggregate** – no need for sand/gravel
- **Dust free** – no respirable silica dust
- **Lasting Repair** – excellent adhesion and toughness

### PACKAGING

0.5 CU. ft. (3.75 Gallon) Kits

### COLORS

Gray

### SHELF LIFE

1 year when properly stored.

### STORAGE

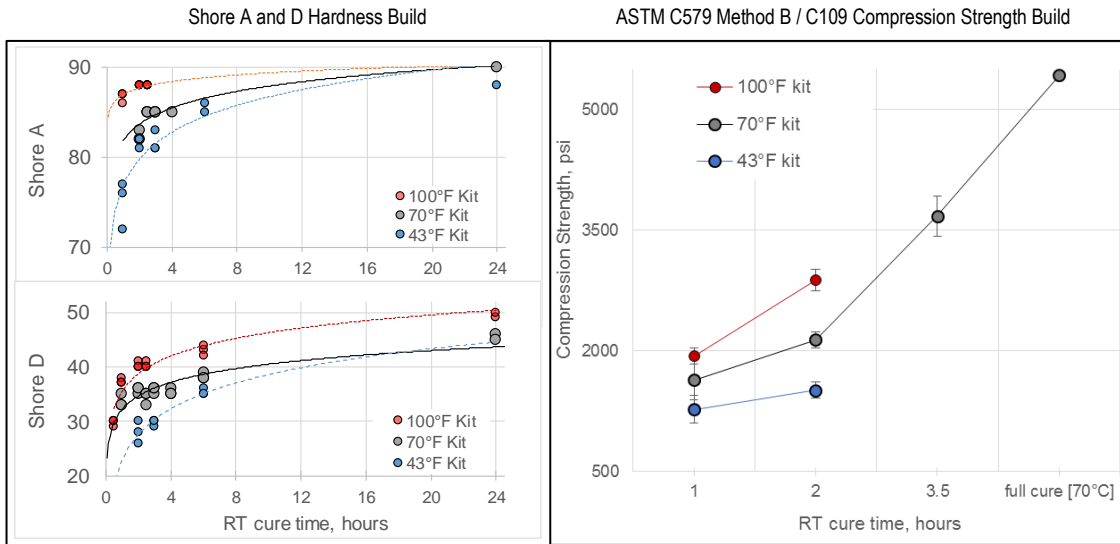
Store and ship this product in clean, dry, low-humidity, and shaded or covered environments between 50 and 90°F (10-32°C)

## TYPICAL PROPERTIES

	Result	ASTM
Solids Content	100%, SCAQMD compliant	D2369
Concrete Adhesion (unprimed)	≥ 500 psi, substrate failure mode	D7234
Compression Strength, 3.5 hour ambient cure	≥ 3,000 psi	C579 Method B C109
Compression Strength, full cure overnight 158°F (70°C)	5,000 psi	C579 Method B C109
Shore Hardness, full cure	90-95 A, 50-60 D	C661
Wet Bond Strength to Concrete	≥300 psi, concrete failure	TEX-618-J
Kit Working time: 100°F 70°F 43°F	3-5 minutes 5-10 minutes 15-20 minutes	C881, Gardco gel timer
Recommended Kit Application Temp. Range	40-110 °F (4- 43 °C) Note: applications outside this range may be possible. Contact WVCO for more details.	
Recommended Maximum kit repair area	≤ 16ft <sup>2</sup> (1.5 m <sup>2</sup> )	

**Chemical Resistance**, ASTM D 471, 72°F immersion for 7 days, full composite with integrated aggregate

Chemical	% Vol. Δ	% Wt. Δ
H <sub>2</sub> O	< 0.1	3.6 ± 0.3
10% NaCl	< 0.1	2.7 ± 0.3
5% NaOH	< 0.1	2.15 ± 0.16
10% CaCl <sub>2</sub>	< 0.1	1.91 ± 0.12
5% H <sub>2</sub> SO <sub>4</sub>	0.9 ± 0.4	2.75 ± 0.15
ASTM Oil 1	< 0.1	0.24 ± 0.02
ASTM Oil 2	< 0.1	0.37 ± 0.02
ASTM Oil 3	< 0.1	0.5 ± 0.3
Fuel A	< 0.1	0.52 ± 0.04
JP-4	< 0.1	0.81 ± 0.03



### APPLICATION INSTRUCTIONS

For handling and applying from kits: [POLYQuik Performance Products Kit Instructions](#)

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

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

### VALUE ENGINEERED KIT APPLICATION OPTION

FastPatch 5600 kits are designed to be applied as received to provide the typical properties described in this TDS. Adding additional materials or not combining kits as recommended will result in non-typical physical properties being achieved.

For applications where increased yield per kit is desired, extending the volume with FastPatch Aggregate or FastPatch Gravel is possible with the reduction of typical physical properties (e.g., lower compression strength). Other materials or fillers are not recommended to be added and may result in an underperforming material. The suggested additional volume of FastPatch Aggregate or FastPatch Gravel to add per kit is 1.0 to 2.0 gallons. Steps of addition: Mix Part B and Mix Part A, and add Aggregate/Gravel while mixing, then immediately apply material.

	Total kit yield	Maximum compressive strength, full cure (overnight 158°F) ASTM C579 method B / ASTM C109
Standard 5600 Kit	0.5 ft <sup>3</sup>	5,000 psi
1.0 Kit plus additional 2.0 Gal. of FastPatch Aggregate or FastPatch Gravel	0.75 ft <sup>3</sup>	1,000-2,000 psi

### 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: [sds@wilvaco.com](mailto:sds@wilvaco.com).

#### DISCLAIMER OF WARRANTY

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