



The Willamette Valley
Company LLC
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Partnering through service,
innovation, and integrity

POLYQuik® PolyPrime LV

Low-Viscosity, Bonding Agent for Concrete Repairs

DESCRIPTION

POLYQuik® PolyPrime LV is a 2-component, low-viscosity urethane primer for concrete repairs. PolyPrime LV is designed for easy application at a wide range of temperatures and fast recoat times with FastPatch repair products. PolyPrime LV can be brush/roller applied and will ensure your repair area has an excellent bond.

SUBSTRATES

- Concrete
- FastPatch Concrete Repair Products
- POLYQuik® Joint Sealants

FEATURES AND BENEFITS

- Rapid Cure - 20 minute recoat time at 70°F (21°C)
- Low Viscosity - easy to brush, great surface wetting
- Adhesion Promoter - ensures excellent bond line
- 1:1 Ratio by Volume
- No equipment required
- Applies easily from 40-100°F (4-38°C)

PACKAGING

20-oz (600-mL) Cartridge
½-gallon (1.9-liter) Kit
2-gallon (7.6-liter) Kit

SHELF LIFE

1 year when properly stored.

STORAGE

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

TYPICAL PROPERTIES

	Result	ASTM Method
Solids Content	96.4%	D2369
Working Time, minutes, cup 70°F (21°C)	20	-
Concrete Adhesion, psi (MPa)	1,000 (6.9)	D4541
Steel Adhesion, psi (MPa)	1,000 (6.9)	D4541
Minimum Recoat Time, minutes, concrete substrate 70°F (21°C)	20	-
Minimum Recoat Time, minutes, concrete substrate 40°F (4°C)	30	-
Mix Ratio (by volume)	1:1	-

APPLICATION INSTRUCTIONS

For instructions on how to handle and apply PolyPrime LV from cartridges, please refer to [POLYQuik® Cartridge Instructions](#). For brush/roller applications, please refer to: [POLYQuik® Primers Installation Guidelines](#). PolyPrime LV is not recommended for high pressure spray or meter dispensed applications. Contact your WVCO representative for more information or help selecting the best primer for your application.

For use in conjunction with FastPatch repair products, please refer to: [POLYQuik® Concrete Spall and Crack Repair Guidelines](#)

RECOAT TIMES AND COVERAGE

Because PolyPrime LV has excellent wetting and soaks into the concrete surface, tack free time is not a good indicator for recoat time. WVCO R&D has measured the optimum recoat time with adhesion strength testing according to ASTM D4541. Below are optimum results:

Ambient & Substrate Temperature	Minimum Recoat Time
95°F (35°C)	10 minutes
70°F (21°C)	20 minutes
40°F (4°C)	30 minutes

Estimated coverage is based on a single coat of brush-applied PolyPrime LV on concrete substrate as observed during actual repairs in the field. Below is a Coverage Chart:

Packaging	Coverage Area ft ² (m ²)
20-oz (600-mL) cart.	30 (2.8)
½-gallon (1.9-liter) kit	96 (8.9)
1-gallon (3.8-liter) of mixed material	192 (18)
2-gallon (7.2-liter) kit	384 (35)

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

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