

Technical
Data Sheet



Willamette Valley Company

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www.polyquik.com

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Partnering through service,
innovation, and integrity

PolyPrime Primer

Bonding agent for concrete repairs

DESCRIPTION

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

SUBSTRATES

- Concrete
- Steel
- 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, and shaded or covered environments between 50 and 90°F (10-32°C)

TYPICAL PROPERTIES

	Result	ASTM
Solids Content	96.4%	D2369
Working Time, cup, 70°F (21°C)	20 minutes	-
Concrete Adhesion	> 1,000 psi (6.9 MPa)	D7234
Steel Adhesion	> 1,000 psi (6.9 MPa)	D4541
Minimum Recoat Time, Concrete Substrate, 70°F (21°C)	20 minutes	-
Minimum Recoat Time, Concrete Substrate, 40°F (4°C)	30 minutes	-
Mix Ratio (by Volume)	1:1	-

APPLICATION INSTRUCTIONS

For instructions on how to handle and apply PolyPrime from cartridges, please refer to [POLYQuik® Cartridge Instructions](#). For brush/roller applications, please refer to: [POLYQuik® Primer Installation Guidelines](#). PolyPrime 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 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.

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 on concrete substrate as observed during actual repairs in the field.

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 Material Safety Data Sheet (MSDS) regarding the risks and safe use of this product. To obtain an MSDS, please call 800-333-9826 or send an email to: msds@wilvaco.com

DISCLAIMER OF WARRANTY

TEST RESULTS ARE TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION AND SHOULD NOT BE TREATED AS SPECIFICATIONS. WHILE ALL THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST AVAILABLE DATA ON THESE PRODUCTS, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE. PROPER APPLICATION IS THE RESPONSIBILITY OF THE USER. AS WITH ANY PRODUCT THE USE OF THIS PRODUCT IN A GIVEN APPLICATION MUST BE TESTED (INCLUDING BUT NOT LIMITED TO FIELD TESTING) IN ADVANCE BY THE USER TO DETERMINE SUITABILITY. TESTING IS THE REQUIREMENT OF BOTH ENGINEERS AND CONTRACTORS ALIKE. WVCO DOES NOT WARRANT THE APPLICATION UNDER ANY OR ALL CIRCUMSTANCES.

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