

# Technical Data Sheet



Willamette Valley Company

[www.wilvaco.com](http://www.wilvaco.com)

[www.polyquik.com](http://www.polyquik.com)

800.333.9826

Partnering through service,  
innovation, and integrity

# POLYQuik<sup>®</sup> EJC-50

Expansion Joint Compound with 50% movement capability

## DESCRIPTION

POLYQuik<sup>®</sup> EJC-50 is a rapid setting, 2-component, self-leveling joint sealant with excellent adhesion and durability. EJC-50 has demonstrated superior long term performance for joint sealant applications with moderate movement requirements.

## WHERE TO USE

- Airports
- Bridge Joints
- Highways
- Parking Decks
- Sidewalks
- Any Joint with  $\pm 50\%$  Movement

## FEATURES AND BENEFITS

- **Rapid Cure**— as little as 1 hour return to service
- **Self-Leveling**—flows easily, completely fills joint
- **Flexible at Freezing Temperatures**
- **ASTM C920** –Type M, Grade P, Class 50
- **100% Solids, 0 VOC**—environmentally friendly
- **1:1 Ratio by Volume**—easy application

## PACKAGING

20-oz. (600 mL) Cartridge  
50-oz. (1500 mL) Cartridge  
5-Gallon (19 Liter) Pail  
50-Gallon (190 Liter) Drum

## COLORS

Black, 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
Cyclic Movement Capabilities, Class 50	Passes 10 cycles, no loss of adhesion or cohesion	C719, C920 (4.1.5)
Tack-Free Time	30 minutes	C679
Concrete Adhesion, primed with POLYQuik <sup>®</sup> PolyPrime	$\geq 25$ pli (4.4 N/mm)	C794
Concrete Adhesion, unprimed	10-12 pli (1.8-2.1 N/mm)	C794
FastPatch Adhesion, unprimed	$\geq 25$ pli (4.4 N/mm)	C794
Hardness	25-35 Shore A	C661
Mix Ratio (by Volume)	1:1	-

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## APPLICATION INSTRUCTIONS

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For instructions on how to handle and apply POLYQuik® EJC-50 from cartridges, please refer to [POLYQuik® Cartridge Instructions](#).

For instructions on how to apply POLYQuik® EJC-50 from bulk containers with WVCO/Pre-Tec meters, training will be provided. If you have specific questions related to your dispensing equipment, please contact your WVCO representative or customer support.

For joint design and installation instructions, please refer to:

[POLYQuik® Joint Design and Installation Guidelines](#)

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## ESTIMATED COVERAGE

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Coverage chart assumes appropriate backer rod placement to provide 1/8 inch (3 mm) recessed sealant fill and 1/2 inch (13mm) sealant depth for the entire joint length.

Joint Width	Linear feet (meter) coverage per 20 oz (600mL) cartridge	Linear feet (meter) coverage per gallon (3.8 Liter)
0.5 in (13 mm)	10 (3.0)	64 (19.5)
1.0 in (25 mm)	5.5 (1.7)	35 (10.7)
1.5 in (38 mm)	3.75 (1.1)	24 (7.3)
2.0 in (51 mm)	2.9 (0.9)	18.3 (5.6)

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## HEALTH AND SAFETY

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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](mailto:msds@wilvaco.com)

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