

Technical Data Sheet



The Willamette Valley
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Partnering through service,
innovation, and integrity

POLYQuik[®] EJC-100

Expansion Joint Sealant (Type M, Grade P, Class 100/50)

DESCRIPTION

POLYQuik[®] EJC-100 is a flexible, two-component, rapid-setting, polyurethane-based joint sealant. EJC-100 is an ASTM C920 Type M, Grade P, Class 100/50 expansion joint compound with excellent elongation and cure.

WHERE TO USE

- Expansion Joints
- Airport Runways
- Highways
- Parking Decks, Bridge Joints, Sidewalks

FEATURES AND BENEFITS

- **Rapid Cure** - as little as 1 hour return to service
- **Highly Elastic** - moves with the joint
- **Self-Leveling** - flows easily, completely fills joint
- **Flexible at Freezing Temperatures**
- **100% Solids, 0 VOC** - environmentally friendly
- **1:1 Ratio by Volume** - easy application

ASTM C920

Classification (4.):
Type M, Grade P, Class 50, Use T₂, and NT
Not intended for use I (continuous immersion).
Meets the General Requirements (6.) and
Physical Requirements (8.), C719 tested on primed
concrete.

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 a clean, dry,
low humidity, shaded or covered environment
between 50 and 90°F (10 to 32° C).

TYPICAL PROPERTIES

| | Result | ASTM Method |
|--|---|--------------------|
| Solids Content | 100%, SCAQMD compliant | D2369 |
| Cyclic Movement Capabilities, Class 100/50 | Passes 10 cycles with no loss of adhesion or cohesion | C719, C920 (4.1.5) |
| Tack-Free Time | 1 hour | C679 |
| Concrete Adhesion, primed with POLYQuik [®] PolyPrime | ≥25 pli (4.4 N/mm) | C794 |
| Concrete Adhesion, unprimed | 15 pli (2.6 N/mm) | C794 |
| FastPatch Adhesion, unprimed | ≥20 pli (3.5N/mm) | C794 |
| Hardness | 10-20 Shore A | C661 |
| Mix Ratio (by volume) | 1:1 | - |

APPLICATION INSTRUCTIONS

For instructions on how to handle and apply POLYQuik[®] EJC-100 from cartridges, please refer to [POLYQuik[®] Cartridge Instructions](#).

For instructions on how to apply POLYQuik[®] EJC-100 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](#)

ESTIMATED COVERAGE

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 (600-mL) 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

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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