

Technical Data Sheet



The Willamette Valley
Company LLC

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FastPatch EJC+

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

DESCRIPTION

FastPatch EJC+ is a flexible, two component, polyurethane based expansion joint sealant. EJC+ is an ASTM C920 Type M, grade P, better than class 50 with superior long term performance for joint sealant applications with moderate movement requirements.

WHERE TO USE

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

FEATURES AND BENEFITS

- **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
Meets the General Requirements (6.) and
Physical Requirements (8.), C719 tested on primed
concrete.

PACKAGING

20-oz. (600 mL) Cartridge
5-Gallon (19 L) Pails
50-Gallon (190 L) Drums
250-Gallon (950 L) Totes

COLORS

Black

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
Tack-Free Time, 72°F (22°C)	120 minutes	C679
Elongation, %	500 +	D412
Hardness	30 ±5 Shore O [10-15 Shore A]	C661
Mix Ratio (by Volume)	1:1	-
Solids Content	99%	D2369
Cyclic Movement Capabilities, Class 50	Passes 10 cycles with no loss of adhesion or cohesion	C719, C920 (4.1.5)
Cyclic Movement Capabilities, Class 75/50	Passes 2+ cycles, (testing ongoing)	C719, C920 (4.1.5)
Concrete Adhesion, primed with FastPatch PolyPrime LV	≥50 psi (≥0.35 MPa) sealant cohesive failure	WVCO R&D Sealant Movement Test (2 inch joint)

CHEMICAL RESISTANCE - IMMERSION - ASTM D471

Refer to [EJC+ Chemical Resistance Technical Bulletin](#) for more details

	24 hr	3 day	7 day	Performance Notes:
Typical Chemicals				
Water	+++	+++	+++	Good resistance
10% NaCl	+++	+++	+++	Good resistance
10% NaOH	+++	+++	+++	Good resistance
10% HCl	+++	+++	+++	Good resistance
10% H ₂ SO ₄	+++	+++	+++	Good resistance
5% Acetic Acid	+++	++	+	Minor swelling at 7d
6% NaClO	+++	+	-	Surface damage (sticky) at 3d, 7d
10% KCl	+++	+++	+++	Good resistance
10% Propylene Glycol	+++	+++	+++	Good resistance
ASTM Oil #1 - IRM 901	+++	+++	+++	Good resistance
ASTM Oil #2 - IRM 902	+++	+++	+++	Good resistance
ASTM Oil #3 - IRM 903	+++	++	+	Minor swelling at 7d
Aviation Fluids				
Jet A	++	+	-	Minor swelling at 3d, moderate 7d
Royco 756 Hydraulic Fluid	++	+	-	Minor swelling at 3d, moderate at 7d
TKS AVL de-icer	+++	++	+	Minor swelling at 7d
Skydrol 500B-4 Hydraulic Fluid	-	--	---	Moderate swelling at 3d, major at 7d

APPLICATION INSTRUCTIONS

For instructions on how to handle and apply FastPatch EJC+ from cartridges, please refer to [FastPatch Cartridge Instructions](#).

For instructions on how to apply FastPatch EJC+ 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:

[FastPatch 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 (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)

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

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