EJC+

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

Description

FastPatch® EJC+ is a flexible, two component, polyurethane based expansion joint sealant. FastPatch® EJC+ is an ASTM C920 Type M, grade P, class 50 sealant for use in expansion joints with movement at least 50% and where longevity and chemical resistance is a high priority.

Applications

- **Expansion joints**
- **Airports, runways**
- **Highways**
- **Parking decks, bridge joints, sidewalks**

Features/Benefits

- **Self-leveling** – flows easily, completely fills joint
- **Flexible at freezing temperatures**
- **100% solids, 0 VOC** – flows easily, completely fills joint
- **1:1 ratio by volume** – easy application
- **Made in USA**

ASTM C920

Classification (4.):
Type M, Grade P, Class 50, Use T_2, and NT;
Meets the General Requirements (6.) and
Physical Requirements (8.),
C719 tested on primed concrete.

Typical Properties

Description	Result	Method
Tack-free time	120 minutes at 72°F (22°C)	ASTM C679
Elongation	500% +	ASTM D412
Hardness	30 ±5 Shore O [10-15 Shore A]	ASTM C661
Mix ratio by volume	1:1 resin/iso	-
Solids content	100%	ASTM D2369
Cyclic Movement Capabilities, Class 50	Passes 10+ cycles with no loss of adhesion or cohesion	ASTM C719, C920 (4.1.5)
Cyclic Movement Capabilities, Class 75/50	Passes 4+ cycles	ASTM 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)

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Packaging

20-oz. (600 mL) cartridge
5-gallon (19 L) pails
50-gallon (190 L) drums
250-gallon (950 L) totes

Colors

Black, gray

Shelf Life

1 years 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)

Chemical Resistance – Immersion – ASTM D471

Refer to **EJC+ Chemical Resistance Technical Bulletin** for more details

	24 hour	3 day	7 day	Performance notes
Typical chemicals				
Water	+++	+++	+++	Good resistance
10% NaCl	+++	+++	+++	Good resistance
10% NaOH	+++	+++	+++	Good resistance
10% HCl	+++	+++	+++	Good resistance
10% H2SO4	+++	+++	+++	Good resistance
5% Acetic Acid	+++	++	+	Minor swelling at 7 days
6% NaClO	+++	+	-	Surface damage (sticky) at 3 days, 7 days
10% KCl	+++	+++	+++	Good resistance
10% Proplyene 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 7 days
Aviation fluids				
Jet A	++	+	-	Minor swelling at 3 days, moderate 7 days
Royco 756 Hydraulic Fluid	++	+	-	Minor swelling at 3 days, moderate at 7 days
TKS AVL de-icer	+++	++	+	Minor swelling at 7 days
Skydrol 500B-4 Hydraulic Fluid	-	-	-	Moderate swelling at 3 days, major at 7 days

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)	55.5 (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)

Application Instructions

For detailed instructions on how to handle and apply FastPatch® EJC+, please contact your WVCO representative or customer support.

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.

Health & Safety

Before handling, you should become familiar with Safety Data Sheet regarding the risks and safe use of this product. To obtain an SDS please email **FastPatch@wilvaco.com.** Appropriate PPE must be worn at all times when working with and/or applying HPRC.

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 responsibly 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.