

ReactAmine® Joint Seal in 2-Component Cartridges reduces employee time on the road

EPI is committed to creating products to solve your protective coatings challenges

Reactamine® Joint Seal (JS) is a 2-component 100% solids, Polyurea- based joint sealant. JS is self-leveling and cures in approximately 15 minutes. JS works equally well with asphalt and concrete.

JS protects interior horizontal concrete expansion and control joints from spalling, chipping and breakdown. JS can be applied at temperatures ranging from -30 degrees F to 350 degrees F.

It also displays excellent chemical resistance, water insensitivity and thermal stability at high and low temperatures.

JS may be used under traditional floor coatings (such as epoxies, polyureas and polyurethanes) or tiles to smooth the joints and provide protection from cracking and sinking caused by non-elastomeric joint sealants.

Joint Seal (JS) is available in convenient cartridges in a range of sizes. Each cartridge requires one static mixing tube. Joint Seal will harden in the tube so you may want to have extra mixing tubes on hand.

Both manual or pneumatic (air) applicators can be used with Joint Seal. EPI recommends the pneumatic applicators for larger cartridges. Black is the standard color. Custom colors are available.

Applications for JS cartridges include highway sensors & cables, potholes, joints, cracks and general repairs. JS can be used on both interior and exterior surfaces.



Highway employees use Reactamine® Joint Seal to install piezoelectric axle sensors

Joint Seal Features

- 100% Solids, no VOCs, Non-Hazmat
- Fast Cure Times
- Works at temperatures -30 F to 350 F
- Excellent water resistance, chemical insensitivity & thermal stability at high & low temperatures
- Works equally well with asphalt & concrete

Joint Seal Benefits

- Environmental Compliance/Worker Safety
- Reduces costly downtime, lane closures and traffic delays
- Can work year round, regardless of outside temperature
- Extended product life
- Simplified inventory



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Highway employee lays out a sensor to count, classify and weigh vehicles.



Joint Seal works over a wide temperature range, sealing in minutes, with no damage to traffic sensors

JS is available in the following cartridges

Size (ml)	Pounds	Case Qty
150:150	2/3	12
150:300	1	12
300:300	1 1/3	12
300:600	2	6
750:750	3 1/3	6

Note: JS is also available in 5-gallon pails and in drums.

Coverage Calculations

Coverage Rate = Feet/gallon: Does not include overfilling.

Joint Width (Inches)

Inches	1/8	1/4	1/2	3/4	1
1/8	1230	615	308	205	154
1/4	615	308	154	102	77
1/2	308	154	77	51	38
3/4	205	103	51	34	25
1	154	77	38	25	19
1 1/2	205	51	25	17	12
2	77	38	19	12	9
3	52	25	12	8	6

JS Keeps Traffic Moving

Sensors are embedded in state highways to count, classify and weigh vehicles. States use this data to allocate funds for roadway improvement projects. Installing sensors requires labor, equipment and lane closures. Lane closure is the most important component because they cause traffic back-ups and delays.

Joint Seal (JS) is a 2- component product, available in two ratios, 1:1 and 1:2. With 1:2 JS, you can open the lane to traffic after 30-45 minutes. With 1:1 JS, you can open the lane to traffic after 60-75 minutes. Both ratios cure completely with 24 hours. Since JS works over a wide range of temperatures, you can install and repair sensors year round.

The Right Formula - About Us

Engineered Polymers International, LLC (EPI) creates silicone-modified coatings to solve problems in the transportation, construction, marine, wastewater management and maintenance industries. Our proprietary coatings save you time and money by extending the life span of concrete, steel, asphalt and other surfaces while reducing the total cost of application.



For more information about Engineered Polymers International, LLC, please contact us at 2842 Progress Road, Madison, WI 53716, 608-661-2800 or see our website: www.engineeredpolymers.net