

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

735 Detectors

735 Detector Loop Sealant (Two-Part Epoxy Filler Sealant)

ADOT Standard Specification: 735-2.04(A)

ADOT Standard Drawing: T.S. 6 Series, T.S. 7 Series

Responsible Section: Traffic Group

Material Property	Specification/ Test Method	Requirements	Results	Pass/ Fail
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A)	Two-part epoxy joint filler sealant shall be a 100-percent solids, flexible, two-component, solvent free, epoxy resin/hardener system for use as a saw cut sealant in asphaltic concrete pavements and Portland cement concrete pavements.		
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A) 1015-1 ASTM C881	Materials shall comply with the requirements of Subsection 1015-1 of the specifications. (ASTM C881 Test Report reqrd)		
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A)	The epoxy system shall be specifically designed for the intended application according to the product literature provided by the manufacturer.		
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A)	The epoxy system shall be of sufficient strength and hardness to withstand stress and abrasion from vehicular traffic, while remaining flexible enough to provide stress relief under thermal movement and protect the loop wire from moisture penetration.		
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A)	It shall also be moisture insensitive to allow effective application to damp pavements.		
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A)	The epoxy system shall be designed for roadway installation when the surface temperature is a minimum of 40 degrees F and rising.		

Material Property	Specification/ Test Method	Requirements	Results	Pass/ Fail
Saw Cut Sealant: Two Part Epoxy Filler Sealant	735-2.04(A)	The components of the epoxy system shall have a minimum shelf life of 12 months in original unopened, undamaged containers, when stored in a cool dry environment, as recommended by the manufacturer.		
Mixing Ratio, Part A to Part B	735-2.04(A)	1:1		
Viscosity, centipoises	735-2.04(A) ASTM D2393	4,000 – 8,000		
Pot Life, minutes	735-2.04(A) ASTM C881	12 – 20		
Cure Time, minutes	735-2.04(A) ASTM C679	60 max, tack-free		
Hardness (Shore D)	735-2.04(A) ASTM D2240	35 – 65		
Tensile Elongation, %	735-2.04(A) ASTM D638	50, min		
Water Absorption, % (24 hr)	735-2.04(A) ASTM D570	1, max		
3% Salt Water Absorption, % (24 hr)	735-2.04(A)	0.03 – 0.20		
Oil Absorption, % (24 hr)	735-2.04(A) ASTM D471	0.01 – 0.02		
Gasoline Absorption, %, (24 hr)	735-2.04(A)	0.05 – 0.90		