



CSI Code: 02760

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CR-90

Crack Filler

DESCRIPTION

CR-90 Crack Filler is an economical, single component, hot applied sealant for use in sealing cracks and joints in Portland cement concrete and asphalt pavements. It is composed of a blend of asphalt, granulated tire rubber, virgin polymers and inert fillers.

SPECIFICATIONS

ASTM D 5078-90

PACKAGING

50 lb. cartons containing two (2) 25 lb. blocks in poly liners.

TECHNICAL DATA

<u>TEST</u>	<u>TYPICAL RESULTS*</u>	<u>SPEC. LIMITS ASTM D 5078-90</u>
Penetration, 200g, 60 sec.		
39.2 ± 0.2F, dmm	30	15 min.
Penetration, dmm (ASTM D 3407)	42	70 max.
Resilience, % (ASTM D 3407)	50	30 min.
Flow, cm (ASTM D 3407)	0.1	---
Ductility, cm (ASTM D 113)	33	---
Softening Point, ° F (ASTM D 36)	205	150 min.
Tensile Adhesion, % (ASTM D 3583)	500+	---
Asphalt Compatibility (ASTM D 3407)	Pass	---
Bitumen Content, % (ASTM D 4)	60+	---
Flexibility @ 30° F	Pass	
Wt. Per Gallon, LBS.	9.8	
Viscosity, CPS @ 380° F (ASTM D 3236)	5000	
Recommended Pouring Temperature:	380° F	
Maximum Safe Heating Temperature:	400° F	

*Typical results should not be used as specification limits.

CONTINUED ON REVERSE SIDE...

APPLICATION

Melting... CR-90 must be heated in an oil-jacketed melter-applicator equipped with a pump and wand. The melter should also have an agitator and separate temperature thermometers for the oil bath and heating vat. Material may be added as sealant is drawn off. Small amounts of material remaining in the kettle may be reheated.

Surface and Joint Preparation... The joints and cracks to be sealed must be clean and dry. Dust, dirt and laitance should be removed immediately preceding the sealing operation. CERA-ROD™

Heat-Resistant Backer Rod from W. R. MEADOWS may be installed in the joint opening to control depth and sealant usage.

Asphalt Pavement Sealing- For ideal sealing with maximum effectiveness, it is suggested that cracks or joints should be routed out to provide a sealant reservoir ½" (12.7mm) wide with a minimum depth of ½" (12.7mm). This provides for a 1:1 width-to-depth ratio. For joints 1" (25.4mm) wide, the suggested depth is ½" (12.7mm) minimum.

New Concrete Pavement Sealing- Typical joint configuration would be 3/8" (9.54mm) wide with a minimum ½" (12.7mm) depth for an approximate 1:1 width-to-depth ratio. However, designated joint width and depth is determined by the appropriate highway or pavement authority.

Maintenance Sealing- Old joint sealing material must be routed out of the joint to a depth of 1 to 1-1/2" (25.4 to 38.1mm). For joints 1" (25.4mm) wide, the suggested depth is ½" (12.7mm) minimum.

Sealant Application... Before sealant application, preceding SURFACE AND JOINT PREPARATION procedures should be followed.

This material is quite thick at application temperatures. The sealant should be applied into the crack/joint, slightly overfilling. Once applied, a follow-up should be done with a soft rubber, U-shaped squeegee to form a wipe zone of approximately 3-4 inches (76.2 –101.6mm) wide along the crack/joint and flush with the highway or pavement surface.

PRECAUTIONS

Service life at recommended temperatures is approximately 12-15 hours. Application life may be extended by adding fresh material as sealant is applied and the quantity in the kettle decreases. CR-90 can be reheated once within the prescribed safe heating temperature limits. Repeated reheating may result in material degradation or gelling in the melter. If this occurs, remove the sealant immediately from the kettle and discard.

HEALTH HAZARDS

Direct contact with heated product should be avoided. The use of safety glasses, chemical resistant gloves and protective clothing is recommended. Breathing of fumes/vapors should also be avoided. Use of NIOSH-approved vapor/mist respirator is recommended. Refer to Material Safety Data Sheet for complete health and safety information.

**FOR THE MOST CURRENT PRODUCT INFORMATION, VISIT OUR WEBSITE:
www.wrmeadows.com**



LIMITED WARRANTY

"W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

Disclaimer

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