Hot Applied Crack & Joint Sealant

Sealant Selection

Most cost-effective method of pavement preservation

Many years of research have confirmed that crack treatments are the most cost-effective method of pavement preservation. Other methods of preservation are effective, but only one is the most cost-effective, “crack sealing”. Many agencies recommend the Crafco system as a cost-effective way to prolong the life of asphalt pavement. Study after study has proven that when cracks are sealed at the proper time, two to four years of added pavement life can be expected before other treatments are required. Other methods used for pavement preservation are effective and needed in many situations, but are more costly than crack sealing.

Many studies have shown that for every $1.00 spent on crack sealing, $4.00 or more is saved in rehabilitation cost. With other treatments, costs are several times more per square yard. Therefore, “when budgets are tight, the time to seal is right”.

Cracking in asphalt and concrete pavement will occur. Pavement design and maintenance engineers have had to contend with this, leaving maintenance departments bearing most of the burden of dealing with cracks. Pavement cracks are inevitable, and without proper maintenance and repair, will lead to accelerated cracking or potholes, further impairing the life and serviceability of the pavement.

The problem of pavement cracking is handled in many ways, ranging from pavement maintenance surface treatments such as seal coating, road slurry, and chip seal, to hot rubberized crack sealing, and ultimately complete pavement rehabilitation such as resurfacing. A common option utilized by city or state maintenance departments is the Crafco System. For many years crack sealing has been done, usually on a routine basis. However, only in the last two decades has it been recognized as a preventive maintenance tool. Crack filling the Crafco way, with proper high performance fillers, will effectively “glue” the pavement together and stop potholes.

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Sealant Selection

Crafco Crack Sealing - This process should be performed on pavements that are in good condition. That is defined as a pavement with a sound base and exhibits distress in the form of thermal or working cracks spaced at over 20 feet. The procedure consists of routing and sealing transverse cracks in order to prevent moisture from entering and deteriorating the sub-base, and incompressible material from interfering with thermal movement. See the Crafco Installation Instructions for your chosen sealant to get specific directions on preparation and application. If properly designed and installed, the expected life of this procedure is typically 5 to 7 years, in most cases.

Crafco Performance Crack Fillers - This procedure consists of filling closely spaced or non-working cracks to reduce moisture penetration into the sub-base of the pavement. If moisture is not checked, catastrophic pavement failure such as potholes will form. Another reason for crack filling is to stop crack raveling. Crack filling is a very cost-effective method of pavement repair that will add years to its life. Crack fill pavements, that are in fair to poor condition, on a regular basis to maintain their condition. If properly designed and installed, the expected life of this procedure, in most cases, is 3 to 5 years.

Crafco Joint Sealing - Sealing concrete pavement joints is required to stop moisture from entering and deteriorating the sub-base of the pavement and decrease spalling. The most cost-effective method of ensuring optimum performance of a PCC pavement is by constructing a sound joint seal system that will last. If properly designed and installed, the expected life of this procedure is typically 5 to 7 years.

Sealant Selection Guide

PART NUMBER	PRODUCT NAME	HEAT TYPE: DIRECT FIRE	HEAT TYPE: OIL JACKETED	ASTM: D 6690 TYPE I	ASTM: D6690 TYPE II	ASTM: D 6690 TYPE III	ASTM: D 6690 TYPE IV	ASTM: D 5078	ASTM: D 5895	AASHTO: M324 TYPE I (M 173)	AASHTO: M324 TYPE II (M 301)	AASHTO: M324 TYPE III (M 301)	AASHTO: M324 TYPE IV (M 301)	AASHTO: MODIFIED AASHTO	Fed: SS-S164	Fed: SS-S1401C	Fed: P 605	FAA: PARKING LOT	FAA: RECYCLED RUBBER	FAA: FIBERIZED	FAA: WATERPROOFING	FAA: ADHESIVE	SPECIALTY: OTHER SPECS
	34200 - Parking Lot Sealant		■														■						
	34201 - RoadSaver 201		■	■	■					■	■				■		■		■				
	34202 - Parking Lot Sealant Type 1		■															■						
	34211 - RoadSaver 211		■	■						■					■								
	34221 - RoadSaver 221		■	■	■					■	■				■		■						
	34222 - RoadSaver 222		■	■	■	■				■	■	■			■	■	■						
	34231 - RoadSaver 231		■				■		■				■											LOW MODULUS
	34232 - Asphalt Rubber Type 2		■					■											■					
	34234 - Asphalt Rubber Type 4		■																■					
	34240 - Asphalt Rubber Type 1		■					■											■					
	34241 - Asphalt Rubber Plus		■	■						■					■				■				
	34244 - Asphalt Rubber Plus Type 2		■	■						■				■	■				■				
	34250 - PolyFiber Type 3		■																	■				CRAFCO SPECIFICATION
	34251 - PolyFiber Type 4		■																	■				CRAFCO SPECIFICATION
	34500 - High Slope		■																	■	■			CRAFCO SPECIFICATION
	34515 - RoadSaver 515		■	■						■				■	■									
	34516 - PolyFlex Type 1		■																■					CRAFCO SPECIFICATION
	34517 - Crafco DF	■	■																					CRAFCO SPECIFICATION
	34518 - PolyFlex Type 2		■																■					CRAFCO SPECIFICATION
	34519 - Fiber Asphalt		■																	■				CRAFCO SPECIFICATION
	34521 - PolyFlex Type 3		■																■					CRAFCO SPECIFICATION
	34522 - RoadSaver 522		■																					LOW MODULUS, CRAFCO SPECIFICATION
	34524 - Pavement Joint Adhesive		■																		■	■		CRAFCO SPECIFICATION
	34526 - PolyFlex Type 4		■																■					CRAFCO SPECIFICATION
	34532 - SuperFlex	■	■														■							CRAFCO SPECIFICATION
	34533 - SuperFlex HT	■	■														■							CRAFCO SPECIFICATION
	34534 - RoadSaver 534		■	■	■					■	■				■		■							LOW TACK
	34543 - RoadSaver Low Tack		■															■						CRAFCO SPECIFICATION
	34546 - RoadSaver Low Tack Type 2		■															■						CRAFCO SPECIFICATION

All Crafco Products meet or exceed the specifications listed.

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Sourcewell
Awarded Contract
Contract # 080521-CFC