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PRODUCT DATA SHEET
HOT-APPLIED FLEXIBLE PAVEMENT
MARKER ADHESIVE

PART NO. 34270

JULY 2009

READ BEFORE USING THIS PRODUCT

GENERAL Crafco Hot-Applied Flexible Pavement Marker Adhesive is a hot-applied thermoplastic bituminous adhesive which, when properly used and applied, bonds markers and reflectors to both asphalt and concrete pavement surfaces. Hot-Applied Flexible Pavement Marker Adhesive is supplied as an easy to use single component material which is easily melted and poured or pumped onto pavement surfaces. Since it is a hot melt composition, Hot-Applied Flexible Marker Adhesive sets up on cooling and is ready for traffic in less than five minutes. Hot-Applied Flexible Marker Adhesive is formulated with premium asphalt, polymers and additives to produce a unique material which holds markers in place and remains flexible at temperatures down to 20°F (-7°C). Hot-Applied Flexible Pavement Marker Adhesive has been a top performing quality Crafco product for over 20 years. Several states have adopted adhesive specifications based on the improved performance of Crafco Hot-Applied Flexible Pavement Marker Adhesive. VOC = 0 g/l.

SPECIFICATION CONFORMANCE Crafco Flexible Marker Adhesive meets ASTM D 4280 Type II as well as the Crafco Specification when heated to the safe heating temperature in accordance with ASTM D5167 is:

<u>Test</u>	<u>Crafco Specification Limits</u>	<u>ASTM D4280 Type II</u>
Brookfield Viscosity, 400°F (204°C) (ASTM D4402)	5000 cp max.	
Brookfield Viscosity, 375°F (191°C) (ASTM D4402)		2000 – 6000 cp
Softening Point (ASTM D36)	200°F (93°C) min.	93°C min.
Penetration, 77°F (25°C)(ASTM D5)	25 max.	30 max.
Flow at 70°C (ASTM D 5329)		5.1 mm max.
Ductility, 77°F (25°C) (ASTM D113) 5 cm/min.	15 cm min.	15 cm min.
Ductility, 39.2°F (4°C) (ASTM D113) 1 cm/min.	5 cm min.	5 cm min.
Flexibility, 1" (25mm), 90 deg., 10 sec. 3.18 mm thick (ASTM D3111 modified)	No breaks or cracks at 20°F (-7°C)	No breaks or cracks at -7°C
Flash Point, (ASTM D92)	288°C min.	288°C min.
Specific Gravity at 25°C (ASTM D71)		1.10 – 1.35
Minimum Application Temperature	380°F (193°C)	
Maximum Heating Temperature	400°F (204°C)	

INSTALLATION The unit weight of Hot-Applied Flexible Marker Adhesive is 10.8 lbs. per gallon (1.29 kg/L) at 60°F (15.5°C). Hot-Applied Flexible Marker Adhesive must be melted in jacketed, double boiler type melting units with an effective agitation system. Prior to use, the user must read and understand the Installation Instructions for Hot-Applied Marker Adhesive (January 2008) to verify proper product selection, heating methods, pavement preparation procedures, application geometry, usage precautions and safety procedures. These instructions are provided with each pallet of adhesive.

PACKAGING Hot-Applied Flexible Marker Adhesive is supplied in self-release three compartment disposable boxes, which contains approximately 35 pounds (15.9 kg) of material. The boxes are palletized into shipping units weighing approximately 1,680 pounds (762 kg). Material is sold by the net pallet weight.

WARRANTY CRAFCO, Inc. warrants that CRAFCO products meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation of the cracks and joints prior to sealing or filling are beyond our control as are the use and application of the products; therefore, Crafco shall not be responsible for improperly applied or misused products. Remedies against Crafco, Inc., as agreed to by Crafco, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafco, Inc. All claims for breach of this warranty must be made within three (3) months of the date of use or twelve (12) months from the date of delivery by Crafco, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafco recommendations for product installation**