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PRODUCT DATA SHEET

CRAFCO DF

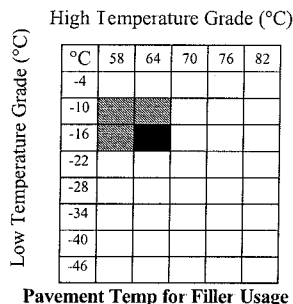
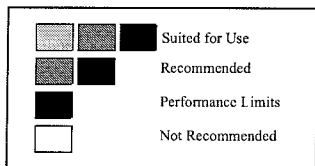
PART NO. 34517

JANUARY 2004

READ BEFORE USING THIS PRODUCT

GENERAL Crafco DF is a single component, hot-applied petroleum based product which is used to fill cracks in both asphalt and portland cement concrete pavements in moderate climates. Crafco DF is supplied in solid form which when melted and properly applied forms an adhesive and flexible compound that resists cracking in the winter and is resistant to flow and pick-up at summer temperatures. Crafco DF can be used in highway, street, airfield and parking lot pavements. It can be applied to pavement cracks using either pressure feed melter applicators or pour pots. At application temperature, Crafco DF is a free flowing, self-leveling product. Crafco DF is produced using highly heat resistant polymer modifier systems which are capable of withstanding temperature to 550°F (288°C) without experiencing degradation. This high degree of heat resistance enables Crafco DF to be heated in direct fired single walled kettles without damage.

USAGE GUIDELINES Crafco DF pavement temperature performance limits are 64-16 for crack filling. Usage recommendations are shown in Crafco pavement temperature grade charts shown at the right. Refer to Crafco Product Selection Procedures to determine sealant or filler use and pavement temperature grades.



SPECIFICATION CONFORMANCE The Crafco recommended specification for Crafco DF when heated to 400°F (204.4°C) with continuous stirring in accordance with ASTM D5 are:

Test	CRAFCO Recommended Specifications
Recommended Application Temp Range	400-450°F (204-232°C)
Brookfield Viscosity, 400°F (204°C)(ASTM 4402)	1500 cp max.
Softening Point, (ASTM D36)	175°F min.
Cone Penetration, 77°F (25°C) (ASTM D5329)	35-70
Ductility, 77°F (25°C) (ASTM D113)	15 min.
Resilience, (ASTM D5329)	40% min.
Flexibility, 0°F (-18°C) (Crafco procedure)	Pass 2 of 3
Flash Point (ASTM D92)	450°F min. (232°C)
Specific Gravity (ASTM D70)	1.05 max.
Heat Resistance at 450°F (232°C)	
Cone Penetration, 77°F (25°C) (ASTM D3407)	70 max.
Softening Point (ASTM D36)	175°F (79°C) min.
Asphalt Compatibility (ASTM D5329)	Pass

It is also noted that Crafco DF Sealant meets and exceeds requirements of ASTM D5078, Crack Filler, Hot-Applied, for Asphalt Concrete and Portland Cement Concrete Pavements.

APPLICATION The unit weight of Crafco DF is 8.3 lbs. per gallon (1.00 kg/L) at 60°F (15.5°C). Prior to use, the user must read and follow Application Instructions for Crafco DF (January 2002) 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 product.

PACKAGING Packaging consists of individual boxes of product which are palletized into shipping units. Boxes contain a non-adherent film which permits easy removal of the product. Each pallet contains 72 boxes which are stacked in six layers of 12 boxes per layer. The weight of product in each box does not exceed 40 lbs. (18kg) and pallet weights do not exceed 2,880 lbs. (1310kg). Pallets of product are weighed and product is sold by the net weight of product. Product boxes are manufactured from double wall kraft board producing a minimum bursting test certification of 350 psi (241 N/cm²) and using water resistant adhesives. Boxes use tape closure and do not contain any staples. Boxes are labeled with the product name, part number, lot number, specification conformance, application temperatures and safety instructions. Palletized units are protected from the weather using a three mil thick plastic bag, a weather and moisture resistant cap sheet and a minimum of two layers of six month u.v. protected stretch wrap. Pallets are labeled with the product part number, lot number and net weight. Application Instructions are provided with each pallet in a weather resistant enclosure.

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**