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**PRODUCT DATA SHEET**  
**POLYFLEX TYPE 2**  
 PART NO. 34518

JANUARY 2002

**READ BEFORE USING THIS PRODUCT**

**GENERAL** Crafco PolyFlex Type 2 is a single component, hot-applied, petroleum based product which is used to seal and fill cracks and joints in both asphalt and portland cement concrete pavements in warm climates. PolyFlex Type 2 is supplied in solid form which when melted and properly applied forms a highly adhesive and flexible compound that resists cracking in the winter and is resistant to flow at summer temperatures. PolyFlex Type 2 can be used in highway, street, airfield and parking lot pavements. It should be applied to pavement cracks using pressure feed melter applicators. At application temperature PolyFlex Type 2 is a medium viscosity product which flows and penetrates cracks. PolyFlex Type 2 is formulated as an economical yet effective pavement maintenance crack filling product. Compared to products based on reclaimed rubber, PolyFlex Type 2 offers lower viscosity for easier application, improved summer temperature pick-up resistance, quicker set times, and improved low temperature flexibility.

**USAGE GUIDELINES** PolyFlex Type 2 pavement temperature performance limits are 70-4 for crack sealing and 64-10 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.

High Temperature Grade (°C)

°C	58	64	70	76	82
-4					
-10					
-16					
-22					
-28					
-34					
-40					
-46					

Low Temperature Grade (°C)

Pavement Temp for Sealant Usage

High Temperature-Grade (°C)

°C	58	64	70	76	82
-4					
-10					
-16					
-22					
-28					
-34					
-40					
-46					

Low Temperature Grade (°C)

Pavement Temp for Filler Usage

	Suited for Use
	Recommended
	Performance Limits
	Not Recommended

**SPECIFICATION CONFORMANCE** The Crafco recommended specification limits for PolyFlex Type 2 when heated in accordance with ASTM D5078 to the safe heating temperature are as follows:

Test	Specification Limits
Cone Penetration 77°F(25°C)(ASTM D5329)	35-55
Resilience (ASTM D5329)	40% min.
Softening Point (ASTM D36)	200°F (93°C) min
Ductility 77°F(25°C)(ASTM D113)	30cm min
Flexibility (ASTM D3111 Modified)	Pass at 20°F (-7°C)
Flow, 140°F(60°C) (ASTM D5329)	3 mm max.
Brookfield Viscosity, 400°F(204°C) (ASTM D2669)	100 Poise max.
Asphalt Compatibility (ASTM D5329)	Pass
Bitumen Content (ASTM D4)	60% min.
Tensile Adhesion (ASTM D5329)	500% min.
Safe Heating Temperature	400°F (204°C)
Recommended Pour Temperature	380°F (193°C)

**APPLICATION** The unit weight of Crafco PolyFlex Type 2 sealant is 10.0 lbs. per gallon (1.20 kg/L) at 60°F (15.5°C). Prior to use, the user must read and follow Application Instructions for Hot Applied RoadSaver, PolyFlex and Asphalt Rubber Products (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 products 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. (1310 kg). 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/cm<sup>2</sup>) 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.