



420 N. Roosevelt Ave. • Chandler AZ 85226  
 1-800-528-8242 • (602) 276-0406 • FAX (480) 961-0513  
 www.crafco.com

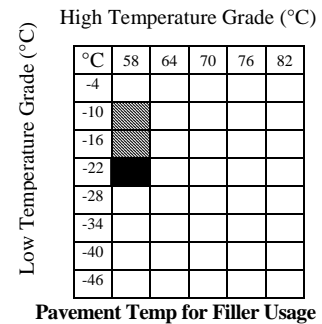
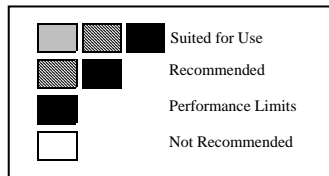
**PRODUCT DATA SHEET**  
**POLYFLEX TYPE 1**  
 PART NO. 34516

JANUARY 2008

**READ BEFORE USING THIS PRODUCT**

**GENERAL** CrafcO PolyFlex Type 1 is a hot-applied, asphalt based product used to fill cracks and joints in asphalt or portland cement concrete pavements in moderate to cold climates. PolyFlex Type 1 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 resists flow at summer temperatures. PolyFlex Type 1 is used in highway, street, and airfield pavements and is applied to pavement cracks using pressure feed melter applicators or pour pots. At application temperature PolyFlex Type 1 is a medium viscosity product which flows and penetrates cracks. PolyFlex Type 1 is formulated as an economical yet effective pavement maintenance crack filling product. Compared to products based on reclaimed rubber, PolyFlex Type 1 offers lower viscosity for easier application, improved summer temperature pick-up resistance, quicker set-up times and improved low temperature flexibility. PolyFlex type 1 has been a top performing quality CrafcO product for 20 years and has achieved the CrafcO **CERTIFIED PERFORMANCE** designation. Several states have adopted specifications based on the performance of PolyFlex Type1. VOC = 0 g/l.

**USAGE GUIDELINES** PolyFlex Type 1 pavement temperature performance limits are 58-22 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 limits for PolyFlex Type 1 when heated in accordance with ASTM D5078 to the maximum heating temperature are as follows:



\*For details go to CrafcO.com

**Test**

- Cone Penetration 77°F (25°C) (ASTM D5329)
- Resilience (ASTM D5329)
- Softening Point (ASTM D36)
- Ductility, 77°F (25°C) (ASTM D113)
- Flexibility (ASTM D3111 Modified)
- Flow, 140°F (60°C) (ASTM D5329)
- Brookfield Viscosity, 400°F (204°C) (ASTM D2669)
- Asphalt Compatibility (ASTM D5329)
- Bitumen Content (ASTM D4)
- Tensile Adhesion (ASTM D5329)
- Maximum Heating Temperature
- Recommended Application Temperature

**CRAFCO Recommended Specifications**

- 50-70
- 40% min.
- 190°F (88°C) min.
- 30 cm min.
- Pass at 0°F (-18°C)
- 3 mm max.
- 100 Poise max.
- Pass
- 60% min.
- 500% min.
- 400°F (204°C)
- 380°F (193°C)

**INSTALLATION** The unit weight of CrafcO PolyFlex Type 1 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 Installation Instructions for Hot-Applied RoadSaver, PolyFlex, Parking Lot and Asphalt Rubber Products 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/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. Installation 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.**