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## PRODUCT DATA SHEET **POLY-FIBER TYPE 4**

PART NO. 34251

OCTOBER 2021

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### READ BEFORE USING THIS PRODUCT

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#### GENERAL

Crafco Poly-Fiber Type 4 is a hot-applied fiber modified asphalt-based product used to fill cracks in asphalt or Portland cement concrete pavements in warm to hot climates. Poly-Fiber Type 4 is supplied in solid form which when melted and properly applied forms a highly adhesive and flexible compound that resists winter cracking and resists flow at summer temperatures. Poly-Fiber Type 4 is used in highway, street and airfield pavements and is applied to cracks using pressure feed Melter applicators. At application temperature Poly-Fiber Type 4 is a highly viscous, non-self-leveling product. The asphalt base used in Poly-Fiber Type 4 is polymer modified which improves low temperature flexibility and cracking resistance and high temperature stiffness properties compared to fiber type products using non-modified asphalts. Poly-Fiber Type 4 is plant blended, so problems with field blending of fibers are eliminated. VOC = 0 g/l

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#### SPECIFICATION CONFORMANCE

Crafco Poly-Fiber Type 4 contains 5+/-1% polyester fibers by weight of asphalt components blended with high quality modified asphalt cement:

<u>Fiber</u>	<u>Properties</u>
Type	Polyester
Denier	3 to 5
Length	1/4 inch (.6 cm)
Specific Gravity	1.38
Melt Temperature	478–490 °F (248–254 °C)
Tensile Strength	78,000 - 88,000 PSI (53708 - 60632 N/cm <sup>2</sup> )
Elongation at Break	35 - 38%

Specification limits for Crafco Poly-Fiber Type 4 when heated in accordance with ASTM D5167 are:

<u>Property</u>	<u>Poly-Fiber Type 4 Limits</u>
Minimum Application Temperature	350 °F (177 °C)
Maximum Heating Temperature	400 °F (204 °C)
Softening Point (ASTM D36)	210 °F (99 °C) min.
Flexibility, 1" (25 mm), 90° bend, 10 sec.	Pass @ 20 °F (-7 °C)
Cone Penetration 77 °F (25 °C) (ASTM D5329)	20 max.
Ductility, 77 °F (25 °C) (ASTM D113)	10 cm min.
Asphalt Compatibility (ASTM D5329)	Pass

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#### INSTALLATION

The unit weight of Crafco Poly-Fiber Type 4 is 9.0 lbs per gallon (1.08 kg/L) at 60 °F (15.5 °C). Prior to use, the user must read and follow Installation Instructions for Poly-Fiber, Fiber Asphalt, and High Slope 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.

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#### 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. (18 kg) 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. Installation Instructions are provided with each pallet in a weather resistant enclosure.

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#### WARRANTY

CRAFSCO, Inc. warrants that CRAFSCO 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.**