

6165 W Detroit St. • Chandler AZ 85226
+1 (602) 276-0406 • +1 (800) 528-8242 • FAX +1 (480) 961-0513
www.crafco.com

READ BEFORE USING THIS PRODUCT

GENERAL

Crafco Poly-Fiber 544 is a single hot-applied fiber modified asphalt-based product used to fill cracks in asphalt concrete pavements in moderate climates. Poly-Fiber 544 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. Poly-Fiber 544 is used in highways, streets, and airfield pavements and is applied to pavement cracks using pressure feed Melter applicators. At application temperature Poly-Fiber 544 is a highly viscous, non-self-leveling product. It is designed to be installed as a simple overband or Band-Aid configuration that can be applied as a stand-alone treatment or prior to chip seal, slurry seal and micro surface treatments. The asphalt base used in Poly-Fiber 544 is polymer modified which improves both low and high temperature properties compared to fiber type products using non-modified asphalt. Since Poly-Fiber 544 is a plant blended product, problems associated with field blending of fibers are eliminated. VOC = 0 g/l.

SPECIFICATION CONFORMANCE

Crafco Poly-Fiber 544 contains polyester fibers 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 ²)
Elongation at Break	35 - 38%

Specification limits for Crafco Poly-Fiber 544 modified asphalt base sealant when heated in accordance with ASTM D5078 are:

<u>Test</u>	<u>Specification Limits</u>
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)	30 cm 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.
Minimum Application Temperature	380 °F (193 °C)
Maximum Heating Temperature	400 °F (204 °C)

INSTALLATION

The unit weight of Crafco Poly-Fiber 544 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 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.

PACKAGING

Product is supplied in either cardboard boxes, or in meltable boxless packaging. Both package types are labeled in accordance with OSHA, GHS, and specification requirements; are sold by net weight; are interlock stacked on 48 x 40 in. (122 x 102 cm) 4-way pallets; can be stored outside; and are covered with a weather resistant pallet cover and 2 layers of UV protected stretch wrap.

- **BOX** packaging consists of cardboard boxes containing 30 lbs. (13.6 kg) of product with 75 boxes per pallet, weighing approximately 2250 lbs. (1020 kg). Boxes contain a quick melting release film for easy removal and are taped closed, without any staples.
- **Meltable** packaging consists of approximately 30 lbs. (13.6 kg) completely meltable packages that are interlocked stacked on pallets. To use, the pallet wrap is removed, and individual blocks are placed in the Melter. There are no individual cardboard boxes to open, empty, handle, or dispose of. Meltable packaging quickly melts into the product without affecting specification conformance. Meltable packaged sealant products are sold by the pallet only and individual packages are not intended for sale. For more details on meltable packaging go to <https://crafco.com/materials-documentation/>

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.**