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## PRODUCT DATA SHEET

# MASTIC ONE

PART NO. 33339

JULY 2005

### READ BEFORE USING THIS PRODUCT

**GENERAL** Crafco Mastic One is a hot applied, single component, pourable, aggregate filled, polymer modified asphalt pavement repair mastic. Mastic One is used for filling and repairing many distresses in both asphalt concrete and Portland cement concrete that are larger than those typically repaired by crack or joint sealing, but smaller than repairs requiring remove and replace patching procedures. Typical uses include filling and leveling of wide transverse or longitudinal cracks and joints, filling potholes and utility cuts, localized skin patch repairs and leveling bridge approaches or faulted areas. When properly applied, Mastic One forms a well bonded, flexible, durable, traffic resistant repair. To use, Mastic One is removed from the box, mixed and heated in an appropriate melter until application temperature is reached, then poured into the prepared repair area and then leveled. Mastic One is formulated to provide neat feathered edge installation. Mastic One is then ready for traffic when it has cooled to solidify.

**PROPERTIES** Properties and characteristics of the polymer modified binder, aggregate and appropriately blended and heated Mastic One are as follows:

	<u>Property</u>	<u>Requirement</u>
<b>Polymer Modified Binder</b>	Cone Penetration, 77°F (25°C) (ASTM D5329)	60 max
	Cone Penetration, 122°F (50°C) (ASTM D5329)	120 max
	Softening Point (ASTM D36)	200°F (93°C) min
	Flexibility (1", 180°, 10 sec) (ASTM D3111 modified)	Pass at 32°F (0°C)
<b>Aggregate</b>	Abrasion Resistance (ASTM C131)	20% max
<b>Blended Product</b>	Flexibility, 32°F (0°C) (PTM 3)	Pass
	Adhesion, 77°F (25°C) (PTM 4)	25 PSI (172 KPA) min
	Specific Gravity	1.7 – 2.0
	Minimum Application Temperature	375°F (190°C) min
	Maximum Application Temperature	410°F (210°C) min

Note: Due to unique characteristics of Mastic One, modified test procedures are required to indicate properties. Test methods PTM 3, 4 are available from Crafco, Inc.

**APPLICATION** The unit weight of Crafco Mastic One is 15.5 lbs/gal (1.86 kg/l) at 60°F (15.5°C). Prior to use, the user must read and follow application instructions for Mastic One 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 Mastic One.

**PACKAGING** The Mastic One polymer modified binder and aggregate are pre-measured and packaged in meltable plastic bags and placed in a cardboard box. Each box contains 40 ± 1 lbs (18.1 ± 0.45 kg) of Mastic One. The aggregate and binder are not premixed. The boxes of product are palletized into shipping units which contain 72 boxes stacked in 6 layers of 12 boxes per layer. 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 and application temperatures. 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.**