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PRODUCT DATA SHEET

ASPHALT RUBBER PLUS TYPE 2

PART NO. 34244

JANUARY 2008

READ BEFORE USING THIS PRODUCT

GENERAL Crafco Asphalt Rubber Plus Type 2 is a hot-applied asphalt based product used to seal and fill cracks or joints in asphalt or portland cement concrete pavements in cold climates. Asphalt Rubber Plus 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 resists flow at summer temperatures. Asphalt Rubber Plus Type 2 is used in highway, street, and airfield pavements and is applied to pavement cracks or joints using pressure feed melter applicators. Asphalt Rubber Plus Type 2 contains a minimum of 18% recycled rubber by weight of asphaltic components which increases application temperature viscosity and reduces flow and slump during application. Asphalt Rubber Plus Type 2 has been a quality Crafco product since 2001 and has proven to be a top performing crack sealant in cold climates achieving the Crafco **CERTIFIED PERFORMANCE** designation. Several states and Canadian provinces have adopted specifications based on its exceptional performance. VOC = 0g/l.

USAGE GUIDELINES Asphalt Rubber Plus Type 2 pavement temperature performance limits are 64-28 for crack sealing and 64-34 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.

	Not Recommended
	Performance Limits
	Recommended
	Suited for Use

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

SPECIFICATION CONFORMANCE Asphalt Rubber Plus Type 2 meets requirements of state modified AASHTO M173 specifications and exceeds ASTM D6690 (AASHTO M324), Type I, "Joint and Crack Sealants, Hot-Applied, for Concrete and Asphalt Pavements, (formerly ASTM D1190, AASHTO M173) and Federal Specification SS-S-164. The specification for Asphalt Rubber Plus Type 2 also includes compositional requirements.

Composition

Recycled Rubber Content (by asphaltic components)
 Recycled Rubber Gradation % passing #10
 #20
 #40

Requirement

18% min.
 95-100%
 35-55%
 0-25%
 10.0 lb/gal. max.

Unit weight at 60°F (15.5°C)

Physical Property Requirements

Cone Penetration, 77°F (25°C)
 Flow, 140°F (60°C)
 Softening Point
 Resilience, 77°F (25°C)
 Bond, -20°F (-29°C), 50% Extension (1/2" specimen)
 Flexibility, -29°F (-34°C), 1", 90°, 10 sec. (ASTM D3111 mod.) Pass
 Asphalt Compatibility (ASTM D5329)
 Minimum Application Temperature
 Maximum Heating temperature

Modified AASHTO M173 Limits

50-90
 5.0 mm max.
 176°F (80°C) min
 25-60%
 Pass 3 cycles
 Pass
 380F (193C)
 400F (204C)



*For details go to Crafco.com

INSTALLATION The unit weight of Asphalt Rubber Plus Type 2 is 9.7 lbs/gal (1.16 kg/l). 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/cm²) 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.**