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**READ BEFORE USING THIS PRODUCT**

**GENERAL** Crafcro Asphalt Rubber Plus Type 2 EN sealant is a hot-applied asphalt based product produced to meet European Union requirements for pavement joint and crack sealant. Asphalt Rubber Plus EN is approved for the **CE** mark when tested for EN 14188-1:2004 Type N2. Asphalt Rubber Plus Type 2 EN is used to seal and fill cracks and joints in both asphalt and Portland cement concrete pavements in cold climates. Asphalt Rubber Plus EN is supplied in solid form which when melted and properly applied forms a resilient, adhesive and flexible compound that resists cracking in the winter and is resistant to flow and pick-up at summer temperatures. Asphalt Rubber Plus Type 2 EN is used on highway, street, and airfield pavements. Asphalt Rubber Plus Type 2 EN should be applied to pavements cracks and joints using a pressure feed melter applicator. At application temperature, Asphalt Rubber Plus Type 2 EN is a high viscosity, non self-leveling product which resists sagging into cracks or joints better than low viscosity materials. The unique formulation of Asphalt Rubber Plus Type 2 EN contains a minimum of 18% recycled rubber by weight of asphalt components. VOC = 0 g/l.

**SPECIFICATION CONFORMANCE** Asphalt Rubber Plus Type 2 EN meets all requirement of EN 14188-1 Type N2 as well as exceeds the requirements of ASTM D6690 (AASHTO M324), Type I, "Joint and Crack Sealants, Hot-Applied, for Concrete and Asphalt Pavements", (formerly ASTM D1190 and AASHTO M73) and Federal Specification SS-S-164. No primer is required for Asphalt Rubber Plus EN.

CHARACTERISTIC	TEST METHOD	UNIT	EN 14188-1, Type N2 Spec. Limits
Softening Point	EN 1427	°C	85 minimum
Density at 25°C	EN 13880-1	Mg/m <sup>3</sup>	1.17 ± 0.10
Cone Penetration at 25°C	EN 13880-2	0.1 mm	40 – 100
Penetration and Recovery	EN 13880-3	%	60 maximum
Heat Stability, Cone Penetration	EN 13880-4	0.1 mm	40 – 100
Heat Stability, Recovery	EN 13880-4	%	60 maximum
Flow Resistance, Initial	EN 13880-5	mm	3 maximum
Flow Resistance after Heat Degradation	EN 13880-5	mm	3 maximum
Compatibility with Asphalt Pavements	EN 13880-9		Pass
Bonding Strength, Tension at-20°C	EN 13880-13	N/mm <sup>2</sup>	0.75 maximum
Adhesion/Cohesion		mm <sup>2</sup>	none/none
Cohesion, Tension at 0°C	EN 13880-10	N/mm <sup>2</sup>	0.48 maximum
Adhesion/Cohesion		mm <sup>2</sup>	50 max. 3 mm depth/20 max. 3 mm depth

**\*Modified ASTM D6690 (AASHTO M324)**

Test	Type I Spec. Limits
Cone Penetration	90 max.
Softening Point	80°C min.
*Bond, -29°C, 50% ext, 12.7 mm specimen	Pass 3 cycles
Asphalt Compatibility	Compatible
Minimum Application Temperature	182°C
Maximum Heating Temperature	193°C

**INSTALLATION** The unit weight of Crafcro Asphalt Rubber Plus Type 2 EN is 1.17 kg/L at 25°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** Product is supplied in either cardboard boxes, or in meltable, boxless PLEXI-melt packaging. Both package types are labeled in accordance with OSHA, GHS, and specification requirements; are sold by net weight; are interlock stacked on 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.

- o **BOX** packaging consists of cardboard boxes containing 13.6 kg of product with 75 boxes per pallet, weighing approximately 1020 kg. Boxes contain a quick melting release film for easy removal and are taped closed, without any staples.
- o **PLEXI-melt** packaging consists of 13.6 kg blocks of product with 70 packages per pallet, weighing 952 kg. To use, the pallet wrap is removed, and individual blocks are placed in the melter. There are no cardboard boxes or other cardboard components to open, empty, handle, or dispose of. PLEXI-melt packaging quickly melts into the product without affecting specification conformance.

**STORAGE AND SAFETY INFORMATION** Pallets of product are protected with a weather resistant covering. Safety and disposal information is contained in the Safety Data Sheet which is attached to each pallet.

**WARRANTY** CRAFCO, Inc. warrants that CRAFCO products meet applicable EN, 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, Crafcro shall not be responsible for improperly applied or misused products. Remedies against Crafcro, Inc., as agreed to by Crafcro, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafcro, 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 Crafcro, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafcro recommendations for product installation.**