



420 N. Roosevelt Ave. • Chandler AZ 85226
 1-800-528-8242 • (602) 276-0406 • FAX (480) 961-0513
 www.crafco.com

PRODUCT DATA SHEET
ROADSAVER 211 EN

PART NO. 34211EN



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READ BEFORE USING THIS PRODUCT

GENERAL Crafco RoadSaver 211 EN sealant is a hot-applied asphalt based product produced to meet European Union requirements for pavement joint and crack sealant. RoadSaver 211 EN is approved for the **CE** mark when tested for EN 14188-1:2004 Type N2. RoadSaver 211 EN is used to seal and fill cracks and joints in both asphalt and portland cement concrete pavements in moderate climates. RoadSaver 211 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. RoadSaver 211 EN can be used in highway, street, and airfield pavements and is applied to pavement cracks and joints using either pressure feed melter applicators or pour pots. At application temperature, RoadSaver 211 EN is a free flowing, self-leveling product. VOC = 0 g/l.

SPECIFICATION CONFORMANCE RoadSaver 211 EN meets all requirement of EN 14188-1:2004 Type N2 as well as 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 RoadSaver 211 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 ³	1.27 ± 0.1
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 ²	0.75 maximum
Adhesion/Cohesion		mm ²	none/none
Cohesion, Tension at 0°C	EN 13880-10	N/mm ²	0.48 max.
Adhesion/Cohesion		mm ²	50 max. 3 mm depth/20 max. 3 mm depth
Cohesion (for cold climates), Tension, Asphalt	EN 13880-7	N/mm ²	0.3 maximum
Adhesion/Cohesion,			none/none

<u>ASTM D6690 (AASHTO M324)</u>	
<u>Test</u>	<u>Type I Spec. Limits</u>
Cone Penetration	90 max.
Softening Point	80°C min.
Bond, -18°C, 50% ext.	Pass 5 cycles
Asphalt Compatibility	Compatible
Minimum Application Temperature	182°C
Maximum Heating Temperature	193°C

INSTALLATION The unit weight of Crafco RoadSaver 211 EN is 1.27 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 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 boxes which are stacked in layers of 12 boxes per layer. The weight of product in each box does not exceed 18kg and pallet weights do not exceed 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 pounds (241 N/cm²) and using water resistant adhesives. Boxes use tape closure and do not contain any staples. Boxes are labeled with the manufacturer's name and address, product name, part number, lot number, date of manufacture, specification conformance and date of specification, directions for storage, 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 Manufacturer's name and address, Specification type and conformance, product part number, lot number, safe heating and application temperatures, the date of the specification, directions for storage and disposal, and net weight. Installation Instructions are provided with each pallet in a weather resistant enclosure.

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

WARRANTY CRAFTCO, Inc. warrants that CRAFTCO 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, 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.**