

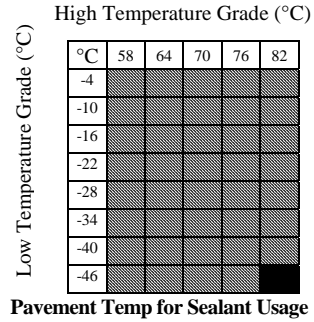
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**READ BEFORE USING THIS PRODUCT**

**GENERAL** Crafcro RoadSaver Silicone is a uniquely formulated low modulus non-sag silicone for sealing joints in portland cement concrete pavements in all climates. The product is supplied as a ready-to-use one component moisture curing system which provides a lasting and flexible seal. Crafcro RoadSaver Silicone can be used in all typical concrete joint applications on highway and airfield pavements. Crafcro RoadSaver Silicone offers outstanding weathering resistance, remains flexible down to temperatures as low as -50°F (-46°C), is jet-blast resistant and will maintain field serviceability when exposed to intermittent fuel and oil spills. The sealant bonds strongly to portland cement concrete joints without the use of a primer. RoadSaver Silicone sealant is compatible with asphalt pavement. RoadSaver Silicone is easily applied to pavement joints using bulk dispensing system units such as the Roadstar joint sealant pump or those available from manufacturers including Pyles/Graco and Johnstone. RoadSaver Silicone has been a top performing quality Crafcro product for over 15 years. VOC < 75 g/l.

**USAGE GUIDELINES** RoadSaver Silicone pavement temperature performance limits are 82-46 for joint sealing. Usage recommendations are shown in Crafcro pavement temperature grade charts shown at the right. Refer to Crafcro Product Selection Procedures to determine sealant or filler and pavement temperature grades.

	Not Recommended
	Performance Limits
	Recommended
	Suited for Use



**SPECIFICATION CONFORMANCE** Crafcro RoadSaver Silicone conforms to specifications for low modulus silicone for many highway departments, federal agencies and the FAA. The product also meets and exceeds all requirements of ASTM D5893 "Standard Specification for Cold-Applied Single Component, Chemically Curing Silicone Sealant for Portland Cement Concrete Pavements" for type NS sealant. In the following specifications several of the D5893 parameters are more restrictive to better reflect properties of RoadSaver Silicone.

**ASTM D5893 Physical Requirements**

Cure Evaluation (ASTM D5893)  
Rheological Properties (ASTM D2202)  
Extrusion Rate (ASTM C1183)  
Tack Free Time (ASTM C 679)  
Effects of Heat Aging (ASTM C 792)  
Bond, -29°C (-20°F), 100% Extension (ASTM D5893)  
    Non-Immersed  
    Water Immersed  
    Oven-Aged  
Hardness (ASTM C 661)  
    -29°C (-20°F), Type A2  
    23°C (73°F), Type 00  
Flow (ASTM D5893)  
Rubber Properties in Tension (ASTM D412, Method A, Die C)  
    Ultimate Elongation  
    Stress at 150% Elongation  
Effects of Accelerated Weathering (ASTM C793)  
Resilience (ASTM D5893)

**ASTM D5893 NS Requirements**

Pass at 21 days  
0.30 in (7.6mm) max slump  
Type S, 50 ml/min. minimum  
5 hr. max.  
10% max. Loss  
Pass 5 Cycles  
Pass 5 Cycles  
Pass 5 Cycles  
25 max.  
30 min.  
No flow  
600% min.  
310 K pa (45 psi) max.  
Pass 5000 hours  
75% min.

**RoadSaver Silicone Requirements**

Pass at 14 day max  
0.30 in (7.6mm) max slump  
Type S, 50 ml/min. minimum  
25-90 minutes  
10% max. Loss  
Pass 5 Cycles  
Pass 5 Cycles  
Pass 5 Cycles  
20 max.  
30 min.  
No flow  
800% min.  
310 K pa (45 psi) max.  
Pass at 5000 hours  
75% min.

**Additional properties of RoadSaver Silicone Sealant are:**

Specific Gravity (ASTM D792-A) (1)	1.15-1.515
Adhesion to Concrete (MIL 8802) (2)	20 pli (3.5 kg/cm) min.
Bond and Movement Capability +/- 50% (ASTM C719) (2)	Pass 10 cycles
Bond to Mortar (AASHTO T132) (2)	50 psi (34.4 N/cm <sup>2</sup> ) min.
Tensile Adhesion, % (ASTM D5329) (3)	400% min.

Notes:

- (1) Specimens shall be obtained from 1/8 inch (3mm) thickness sheets of material cured for 7 days at 77 +/- 3°F (25+/-2°C) and 50 +/- 5% relative humidity.
- (2) Specimens cured for 28 days at 77 +/- 3°F (25+/-2°C) and 50 +/- 5% humidity prior to testing.
- (3) Specimens shall be 1/2" x 1/2" x 2" (1.2cm x 1.2cm x 5.0cm), cured 21 days at 77 +/- 3°F (25+/-2°C) and 50% +/- 5% relative humidity.

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**INSTALLATION** The unit weight is 10.9 pounds per gallon (1.31 kg/L). One gallon will seal 150 feet (45.7m) of 1/2 inch (1.2cm) wide by 1/4 inch (0.6cm) deep joint. Exact yield will vary depending on thickness of sealant, waste, application techniques, etc. Prior to use, the user must read and follow Installation Instructions for RoadSaver Silicone to verify proper product selections, applicator pumps, pavement preparation procedures, application geometry, usage precautions and safety procedures. These instructions are provided with each drum of sealant.

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**PACKAGING** RoadSaver Silicone Sealant is packaged in plastic lined open head 55 gallon (208 L) drums which contain 50 gallons (189 L) of material. Additionally, for small applications the sealant is available in plastic 5 gallon (18.9 L) pails and quart (857 mL) caulking tubes.

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**WARRANTY** CRAFCO, Inc. warrants that CRAFCO sealants 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 are beyond our control as are the use and application of the sealants; therefore, Crafcoc shall not be responsible for improperly applied or misused sealants. Remedies against Crafcoc, Inc., as agreed to by Crafcoc, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafcoc, 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 Crafcoc, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafcoc recommendations for sealant installation.**