

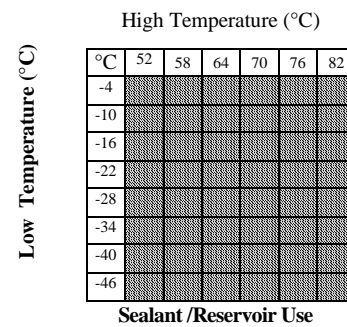
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READ BEFORE USING THIS PRODUCT

GENERAL Crafcro RoadSaver Silicone Self-Leveling (SL) Ultra-Low Modulus sealant was designed specifically to reduce tensile forces on concrete to asphalt joints. It can be used in all typical concrete and concrete to asphalt joint applications on highway and airfield pavements in all climates. It offers the performance, durability and ease of installation characteristics of conventional self-leveling silicone. Crafcro RoadSaver Silicone SL Ultra-Low Modulus is supplied as a ready to use one component moisture curing system which provides a lasting and flexible seal. Crafcro RoadSaver Silicone SL Ultra-Low Modulus offers outstanding weathering resistance and low temperature flexibility. It bonds strongly to concrete joints and concrete to asphalt joints without the use of a primer. RoadSaver Silicone SL Ultra-Low Modulus is easily applied using bulk dispensing system units such as the RoadStar joint sealant pump or those available from manufacturers including Pyles/Graco and Johnstone. The leveling characteristics insure that the required joint wetting for development of appropriate adhesion occurs during application, with no tooling required. VOC < 75 g/l.

USAGE GUIDELINES RoadSaver Silicone SL Ultra-Low Modulus sealant is applicable for Sealant/Reservoir use in all climates, as shown in the chart. Pavement temperatures for the project location are determined at 98% reliability using FHWA LTPPBIND V3.1, and sealant or filler use is determined following Crafcro Product Selection Procedures.

 Applicable Pavement Temperatures



SPECIFICATION CONFORMANCE Crafcro RoadSaver Silicone SL Ultra-Low Modulus conforms to ASTM D5893 Type SL and Texas DMS-6310 Class 5 specification requirements for low modulus silicone sealant.

Texas DMS6310 Class 5		
Property	Texas DMS-6310 Class 5 Requirements	Crafcro RoadSaver SL Ultra-Low Modulus Silicone Requirements
Rheological (ASTM C639)	---	Type 1, smooth level surface
Extrusion Rate (ASTM C1183)	---	Type S, 200ml/minute, minimum
Hardness Type 00, 23°C(73°F),(ASTM C661)	---	30-50
Specific Gravity (ASTM D792-A)	---	1.10 – 1.40 g/cm ³
Rubber Properties in Tension (ASTM D412, Method A, Die C) Ultimate Elongation Stress at 150% Elongation	---	800% minimum 103Kpa (15psi) maximum
Tensile Adhesion Properties of Structural Sealants (ASTM C1135)	---	103Kpa (15psi) maximum
Non-Volatile (Tex 525-C)	93% minimum after 168hr. at 70°C (158°F)	93% minimum after 168hr. at 70°C (158°F)
Tack Free Time (ASTM C679)	180 minutes maximum	180 minutes maximum
Tensile Strength and 24hr. Extension (Tex 525-C) Air Cure Only Water Immersion Oven Aged Cycling at -29°C(-20°F)	20kPa (3psi) to 70kPa (10psi), Pass 20kPa (3psi) to 70kPa (10psi), Pass 20kPa (3psi) to 70kPa (10psi), Pass 20kPa (3psi) to 70kPa (10psi), Pass	20kPa (3psi) to 70kPa (10psi), Pass 20kPa (3psi) to 70kPa (10psi), Pass 20kPa (3psi) to 70kPa (10psi), Pass 20kPa (3psi) to 70kPa (10psi), Pass

ASTM D5893 Type SL		
Property	ASTM D5893 Requirements	Crafcro RoadSaver SL Ultra-Low Modulus Silicone Requirements
Cure Evaluation (ASTM D5893)	Pass at 21 days	Pass at 21 days
Rheological Properties (ASTM C639)	Type 1, smooth level surface	Type 1, smooth level surface
Extrusion Rate (ASTM C1183)	Type S, 50 ml/ min. minimum	Type S, 200ml/minute, minimum
Tack Free Time (ASTM C679)	5 hr. maximum	3 hr. maximum

Effects of Heat Aging (ASTM C 792)	10% max. Loss	10% max. Loss
Bond, -29°C (-20°F), 100% Extension (ASTM D5893)		
Non-Immersed	Pass 5 Cycles	Pass 5 Cycles
Water Immersed	Pass 5 Cycles	Pass 5 Cycles
Oven-Aged	Pass 5 Cycles	Pass 5 Cycles
Hardness (ASTM C661)		
-29°C (-20°C), Type A2	25 maximum	10 maximum
23°C (73°F), Type 00	30 minimum	30 minimum
Flow (ASTM D5893)	No flow	No flow
Rubber Properties in Tension (ASTM D412, Method A, Die C)		
Ultimate Elongation	600% minimum	800% minimum
Stress at 150% Elongation	310 K pa (45 psi) maximum	103Kpa (15psi) maximum
Effects of Accelerated Weathering (ASTM C793)	Pass 5000 hours	Pass 5000 hours
Resilience (ASTM D5893)	75% minimum	75% minimum
Tensile Adhesion Properties of Structural Sealants (ASTM C1135)	---	103Kpa (15psi) maximum
Bond to Mortar (AASHTO T132)	---	249 Kpa (35 psi) minimum
Specific Gravity (ASTM D792-A)	---	1.10 – 1.40 g/cm ³

INSTALLATION The unit weight is 10.8 pounds per gallon (1.30 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 Sealants 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.

PACKAGING RoadSaver Silicone SL Ultra-Low Modulus 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.

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.**