



TYPICAL USES

- Durable, general purpose Form-in-Place gasketing sealant/adhesive used in a wide range of industrial applications
- Exhibits low swell, low compression set and good oil resistance that prevents leakage in harsh environments such as engine compartments, transmissions, water pumps, rear axles and oil pans
- Automotive applications:** sealing filters, oil-sumps, radiators, headlamps, sunroofs, ventilation flaps, weather strips, windscreens, electronics and sensors
- Sealing LNG, LPG, and NG pipeline flanges and valves

PRODUCT DESCRIPTION

CSL535 is a one part, moisture curing, room-temperature vulcanizing (RTV), 100% silicone sealant/adhesive that cures to form a tough, high modulus rubber with long-term flexibility and durability.

The non-slump characteristics of CSL535 allow application to vertical or horizontal surface without flowing or sagging. It has superior unprimed adhesion to a wide range of substrates. CSL535 has excellent resistance to weathering including ozone, ultra-violet radiation, freeze-thaw and airborne chemicals.

After cure, the wide heat stability range of CSL535 is from -60°C to 200°C (-76°F to 392°F).

APPLICABLE STANDARDS

- Recognized under the Components Program of the Underwriters Laboratories /G>fl Inc.
- US Department of Agriculture /GE63fi approved for use in meat S V poultry plants
- CSL535 is Eco 'bgo Certified

PRODUCT CHARACTERISTICS AND PRACTICAL INFORMATION

Type	100% silicone, one-part RTV
Appearance	Smooth, non-slump paste
Temperature Range†	
Application Temperature Range	Ambient to 50°C (120°F)
Useable Temperature Range	-60°C to 200°C (-76°F to 392°F)
Drying Time*	
Skin-Over Time	5-10 minutes
Cure Time	24 hours
Full Physical Characteristics	7 days

PHYSICAL PROPERTIES

(Typical properties - values not to be used as specifications)

Uncured	
Specific Gravity	1.03
Extrusion Rate (3.2mm (1/8") orifice, 90psi)	150 g/min
Cure System	Neutral (Oxime), Moisture Cure

Cured At Standard Conditions* for 7 Days

Durometer Hardness (ASTM D2240, Shore A)	27 points
Tensile Strength (ASTM D412)	250 psi (17.6 kg/cm ²)
Elongation at Break (ASTM D412)	400%
Tear Resistance (ASTM D624, Die B)	28 ppi (4.9 kN/m)

†Please consult CSL for suitability for application at lower temperatures

*At standard conditions 77°F (25°C) and 50% relative humidity

COLORS

CSL535 is available in Clear, White, Grey and Black. Please contact CSL Silicones for custom color availability.

SURFACE PREPARATION

All surfaces should be clean and dry, and free of dust, dirt, and grease.

If contamination is present, surfaces should be solvent-wiped with oil-free solvents.

CSL535 has excellent unprimed adhesion to most substrates and priming is normally not required. Unprimed adhesion can be readily tested by applying a small trial bead and allowing 7 days for maximum adhesion to occur.

APPLICATION

CSL535 is ready to use and requires no mixing or additives. The cure mechanism begins as soon as the sealant is exposed to air. At conditions of 25°C (77°F) and 50% relative humidity, a bead of sealant 3mm (1/8") will skin over in 5-10 minutes and fully cure in 24 hours. Higher humidity accelerates cure. Tooling should be done before "skinning" takes place.

In confined cure conditions, CSL535 neutral cure sealant may discolor brass, copper, or other sensitive metals, and/or stress craze polycarbonate.

CSL535 should not be applied below grade, to surfaces under continuous water immersion, to substrates that bleed oils, plasticizers or solvents (e.g. impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes), to surfaces in direct contact with food, and to surfaces that will be painted over.

SAFETY PRECAUTIONS

CSL535 uses a neutral cure system, so no acetic acid or objectionable by-products are evolved during cure. Adequate ventilation should be provided with extensive use of this sealant.

On direct contact, uncured sealant may irritate eyes. Flush well with water and call a physician. Avoid prolonged contact with skin. See Safety Data Sheet available on this product.

This product is intended for use only by professional applicators in accordance with the advice given in this document, the Safety Data Sheet (SDS) and the container(s), and should not be used without reference to the SDS that CSL Silicones Inc. has provided to its customers. **KEEP OUT OF REACH OF CHILDREN.**

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards & regulations.

If in doubt regarding the suitability of use of this product, consult CSL Silicones Inc. for further advice.

STORAGE

CSL535, when stored in original, unopened container in dry, shaded conditions, away from sources of heat or ignition, and stored at or below 32°C (90°F), has a shelf life of 15 months from date of manufacture.

PACKAGING

CSL535 is available in 300 ml (10.2 fl. oz.) cartridges, 19L (5 US gallon) pails and 189L (50 US gallon) drums.

WARRANTY

CSL Silicones Inc. warrants that its products will meet its specifications. CSL shall in no event be liable for incidental or consequential damages. Except as expressly stipulated, CSL's liability, expressed or implied, is limited to the stated selling price of any defective goods.

Data is subject to change without notice and it is therefore recommended that this information not be used for specification writing. For additional information on specific applications, contact the manufacturer.

CSL is ISO 9001:2008 Registered

Disclaimer

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this document without first obtaining written confirmation from CSL Silicones Inc. as to the suitability of the product for the intended purpose does so at his/her own risk. The information contained herein has been prepared in good faith to comply with applicable federal and provincial (state) law(s). However, no warranty of any kind is given or implied and CSL Silicones Inc. will not be responsible for any damages, losses or injuries that may result from the use of any information contained herein. While CSL endeavors to ensure all advice it gives about the product (whether in this document or otherwise) is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless CSL specifically agrees in writing to do so, it does not accept any liability whatsoever or howsoever arising for the performance of the product, or for any consequential loss or damage arising out of the use of the product. Any warranty, if given or specific Terms & Conditions of Sale are contained in CSL's Terms & Conditions of Sale, a copy of which can be obtained upon request. The information contained herein is liable to modification from time-to-time in light of experience and CSL's policy of continuous product improvement. It is the user's responsibility to check that this document is current prior to using the product. This document must not be used for specification writing.

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