



TYPICAL USES

- Butt or lap shear joints
- Weatherproofing glazing applications subject to movement
- Glass and metal in glazing and curtain wall assemblies (produces primary or secondary seal against water, air, dust penetration)
- Glazing and installation of steel, aluminium, fibreglass, wood windows
- Window assembly
- Interior and exterior glass partitions and skylights
- General caulking of vents, window and door frames
- Weatherstripping

PRODUCT DESCRIPTION

CSL 302 is a one part, moisture cure, room-temperature vulcanizing (RTV), 100% silicone glazing sealant used in window assembly

CSL 302 cures to a strong, silicone rubber that maintains long term durability and flexibility.

CSL 302 exhibits excellent adhesion to clean glass, metal, fibreglass, porcelain, ceramic, wood and most common substrates found in glazing construction.

CSL 302 has excellent resistance to all weathering conditions, including ultraviolet radiation, ozone, moisture, freeze-thaw conditions and air-borne chemicals.

CSL 302 retains original design properties over many years of exposure.

APPLICABLE STANDARDS

- Approved by US Department of Agriculture (USDA) for use in meat and poultry plants (CSL302 Clear and White)
- ASTM C920-11 Type S, Grade NS, Use NT, M, G, A, O, and I specifications
- Federal Specifications TT-S-001543A and TT-S-00230C
- Can/CGSB-19, 13-M87
- CSL302 is EcoLogo 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 a 200°C (-76°F a 392°F)
Drying Time*	
Tooling/Skin-Over Time	10-20 minutes
Cure Time	24 hours
Full Physical Characteristics	7 days

PHYSICAL PROPERTIES

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

Uncured	
Specific Gravity	1.04
Extrusion Rate (3.2mm (1/8") orifice, 90 psi)	400 g/min
Cure System	Acetoxy, Moisture Cure
Cured at standard conditions* for 7 days	
Durometer Hardness (ASTM D2240, Shore A)	18 points
Tensile Strength (ASTM D412)	200 psi (14.1 kg/cm ²)
Elongation at Break (ASTM D412)	500%
Tear Resistance (ASTM D624, Die B)	27 ppi (4.7 kN/m)
Shrink Factor Nil	Nil
Joint Movement Capability	±50%

‡Please consult CSL for suitability for application at lower temperatures

*At standard conditions 77oF (25oC) and 50% relative humidity.

COLORS

CSL 302 is primarily available in white and clear. For special projects, custom color matching is available at an additional charge. Please contact CSL Silicones for assistance. Terms and conditions may apply.

SURFACE PREPARATION & CLEANLINESS

All surfaces should be clean and dry, and free of dust, dirt, and grease. It is recommended that bonding surfaces be wiped with an oil-free solvent. Allow surface to dry thoroughly before applying sealant.

Lacquer coatings are best removed with lacquer thinners. Vinyl surfaces should be tested for adhesion. For remedial work, be sure to remove all old caulking and oil residues. Remove any old paint and solvent wash prior to caulking.

Normally, substrate priming is not required. Unprimed adhesion can be easily tested by applying a small bead and allowing 7 days for maximum adhesion to occur. If primer is required contact manufacturer.

APPLICATION

CSL 302 is ready to use and may require mixing if left for a long period of time. The cure mechanism begins as soon as the sealant is exposed to air. Uncured sealant will flow until a cured skin is formed. At conditions of 25°C (77°F) and 50% relative humidity, a bead of sealant 3mm (1/8") will skin over within 10-20 minutes and fully cure in 24 hours, reaching its maximum adhesion in 7 days.

Tooling, if necessary, should be done before "skinning" takes place

SAFETY PRECAUTIONS

CSL 302 releases small amounts of acetic acid during cure. Adequate ventilation should be provided with the 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

CSL 302, when stored in original, unopened container in dry, shaded conditions, away from sources of heat or ignition, and stored below 32°C (90°F), has a shelf life of 12 months from date of manufacture.

PACKAGING

CSL 302 is available in 300 ml (10.2 fl. oz) cartridges, 18.9 L (5 US gallon) pails and 189 L (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.



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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