



KEY FEATURES AND PRODUCT DESCRIPTION

CSL 429 is a one-part, moisture-curing, room-temperature vulcanizing (RTV), 100% silicone adhesive and sealant that cures to form a low-modulus silicone rubber that maintains long-term adhesion and flexibility. It remains flexible from -60°C to 200°C (-76°F to 392°F).

CSL 429 is primarily used as an air barrier adhesive in building and construction applications where a high-bond silicone sealant is required. The cured product provides long-term protection from air and water infiltration and flexibility to accommodate normal movement imposed by thermal contraction and expansion. There is no exposure limit as the sealant provides a durable, long-term resistance to UV and the elements.

UV EXPOSURE: There is no UV exposure limit for this product as **CSL 429** is made of silicone not requiring additives for UV resistance.

The product was tested to withstand over 5000 hours of UV exposure in laboratory conditions and it will not degrade by UV rays when used in open cladding applications.

PRODUCT CHARACTERISTICS AND PRACTICAL INFORMATION

Type	100% silicone, one-part RTV
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*	
Tooling/Skin-Over Time	15 minutes
Cure Time	24 hours
Full Physical Characteristics	7 days

‡Please consult CSL for suitability for application at lower temperatures..

PHYSICAL PROPERTIES

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

Uncured	
Specific Gravity	1.12
Slump/Sag	0 - 0.2 inch/min
Extrusion Rate (3.2mm (1/8") orifice, 90 psi)	285 g/min
Cure System	Moisture cure
Cured at standard conditions* for 7 days	
Hardness (ASTM D2240, Shore A)	15 points
Tensile Strength per ASTM D412	113 psi
Elongation at Break per ASTM D412	700 %
Tear Resistance (ASTM D624 Die B)	21 lbs/in

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

COLORS

CSL 429 is available in Black. For special projects, other colors are available using custom color matching at an additional charge. Please contact CSL Silicones for assistance. Terms and conditions may apply.

SURFACE PREPARATION & CLEANLINESS

All surfaces should be clean, dry, and free of dust, dirt, frost, damage, grease, excess mortar and sharp protrusions, standing water, and all other adhesion-limiting substances.

CSL 429 does not normally require a primer on common construction substrates. When in doubt, apply a test bead of sealant to substrate or sample and check adhesion.

APPLICATION

CSL 429 is ready-to-use and requires no mixing or additives. Apply **CSL 429** to the substrate in a serpentine fashion using an appropriate caulking gun and then spread using a trowel, joint knife or roller to achieve a uniform membrane over the rough opening surfaces.

Coverage may vary depending on the application technique and nature of the substrate. Curing begins as soon as the sealant comes in contact with air.

SAFETY PRECAUTIONS

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 the 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 and environmental standards & regulations. If in doubt regarding the suitability of use of this product, consult CSL Silicones Inc. for further advice.

PACKAGING

CSL 429 is available in 300ml cartridges.

STORAGE

Shelf Life: 12 months from date of manufacture in the original unopened container below 80°F (27°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat or ignition. May be stored below freezing.

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.

CSL Silicones Inc.

144 Woodlawn Rd. W.
Guelph, ON N1H 1B5
Canada

T +1 519.836.9044
TF + 1 800.265.2753

cslsilicones.com

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