



FEATURES & BENEFITS

- Permanent ponding water resistance
- Adhesion to multiple substrates without primer
- Excellent adhesion and hang - vertical and horizontal applications
- Excellent weather-ability
- Rain safe in 1 hour
- Primary or secondary seal against water, air and duct penetration
- Wide temperature application range: 41°F to 140°F
- Wide temperature performance range: -76°F to 392°F
- 100% silicone moisture-cure technology
- High performance sealing for buildings
- Ready to use and requires no mixing or additives

PRODUCT DESCRIPTION

CSL463 is a one-part, moisture curing, room-temperature vulcanizing (RTV), 100% silicone roof sealant. **CSL463** is a high performance product offering excellent UV resistance and weathering characteristics with no hardening, chalking or cracking. It offers excellent adhesion to a variety of building materials. **CSL463** is used on metal roof seams, flashings, fasteners, drains, aged single ply membrane roofs, existing SPF, modified bitumen and other repair areas. **CSL463** is also used as a weather seal, for vertical and horizontal crack repairs and for adhesion on 2-point control joints. It can also be used for EIFS installation and restoration, concrete restoration, stucco repairs and restoration. **CSL463** provides excellent tensile strength and high flexibility.

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	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 (3.2 mm (1/8 ") orificio, 90 psi)	150 g/min
Slump/Sag	0.1"
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)
Shrink Factor	Nil
Joint Movement Capability	±25%

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

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

COLOR

CSL463 is primarily available in Clear and White. Other standard colours include gray, and black. For special projects, custom color matching is available at an additional charge. Please contact CSL Silicones for assistance. Terms and conditions may apply.

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

To attain proper adhesion, substrates must be clean and dry, and free of dust, dirt, and grease before sealant is applied. If necessary, it is recommended to clean the surface

with oil-free solvent. All plastic surfaces may be cleaned with isopropanol. It may be necessary to use a cleaner and/or power wash the substrates prior to the application of **CSL463** to enhance adhesion. Contact CSL Silicones Inc. with any questions.

Priming is normally not required for applications to non-porous surfaces. Applying a small trial bead and allowing 7 days for maximum adhesion to occur can easily test unprimed adhesion. If primer is required contact manufacturer.

APPLICATION

CSL463 is ready to use and requires no mixing or additives. Curing 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, attaining full physical properties in 7 days. Skin-over and curetime will vary with humidity. Cure time will also vary with the degree of confinement. Tooling, if necessary, should be done before skinover takes place.

CSL463 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

CSL463 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

CSL463, 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 15 months from date of manufacture.

PACKAGING

Size (unit)	Product Volume	Net Weight
2.5 US gal pail	2.5 US gal / 9.5L	21.27 lbs / 9.65kg
5 US gal pail	5.0 US gal / 18.9L	42.5 lbs / 19.3kg
55 US gal drum	55 US gal / 208.2L	462.97 lbs / 210kg

*For availability of other package sizes, please contact CSL Silicones Inc.

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.

Technical Data Sheet

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CSL 463RC Reviewed May 11, 2026
Document Control Number: PM-102-463-EN
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