CSL 464

Silicone Self-Leveling Roof Sealant

Technical Data Sheet

TYPICAL USES

- Designed to reduce flow and sag properties to improve the hang of the sealant on low and semi-steep sloped applications
- Seal fasteners on low and semi-steep sloped metal roofs
- Pipe penetrations through roof decks in metal flashings
- Concrete, metal and most construction substrates
- Mold and mildew resistance

PRODUCT DESCRIPTION

CSL 464 is a high performance self-leveling one-part, moisture curing, and room temperature vulcanizing (RTV) 100% silicone sealant that cures to a low durometer.

CSL 464 has ultra-high elongation and remains very durable. It has good flexibility and a low modulus, so it will maintain its integrity on fasteners and penetrations with movement.

CSL 464 exhibits excellent unprimed adhesion to concrete, metals and most other construction substrates, provided they are clean, dry and free of dust and frost.

CSL 464 is unaffected by sunlight (ultra-violet rays), ozone, temperature extremes, rain and snow. It has a long service life, and it was designed to perform between -60°C to 200°C (-76°F to 392°F).

PRODUCT CHARACTERISTICS AND PRACTICAL INFORMATION

Type	100% silicone, one-part RTV
Appearance	Smooth, thick liquid
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	15-30 minutes
Cure Time	24 hours
Full Physical Characteristics	7 days

PHYSICAL PROPERTIES

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

Uncured	
Specific Gravity	1.11
Slump / Sag	Flowable
Cure System	Neutral (Oxime), Moisture Cure
Cured at standard conditions* for 7 days	
DurometerHardness (ASTM D2240, Shore A)	15 points
Tensile Strength (ASTM D412)	200 psi (11 kg/cm^2)
Elongation at Break (ASTM D412)	600%
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 77oF (25oC) and 50% relative humidity.*

COLORS

CSL 464 is available in Gray.

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 penetrations must be clean, dry and free of contaminants before **CSL 464** is applied. Dust and loose particles must be blown out of the joint with oil-free compressed air, moving only in one direction. An oily surface may reduce adhesion.

APPLICATION

Always test adhesion before applying to different substrates.

The sealant should be applied in one continuous movement with the nozzle set to fill the joint from the bottom up to avoid creating air voids. The sealant should be tooled to force it against the joint faces for maximum adhesion. Excess sealant should be scraped up and removed.

For fasteners, apply dollop of sealant to each fastener head with a caulk gun, assuring the sealant covers the entire head of the fastener. **CSL 464** will completely encapsulates the fastener, sealing the perimeter to the metal deck.

For metal pitch-pockets, the space between the penetration and roof deck must be sealed with an appropriate adhesive or compressible insulation before installing the interior seal. Fill the interior with a non-shrinking grout to 1" below the top edge. Ensure grout is completely cured prior applying **CSL 464**. Fill the pitch pocket with **CSL 464**, slightly over-filling the pan to avoid the water to sit in the pocket.

SAFETY PRECAUTIONS

CSL 464 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

CSL 464, 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

CSL 464 is available in 300 ml (10.2 fl. oz) cartridges, 600 ml (20.2 fl. oz.) sausages, 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.

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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 ap-plication 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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