

### TYPICAL USES

- Expansion Joints
- Concrete construction for curtain wall and precast concrete panel joints
- Repair material for joints with excessive movement

### PRODUCT DESCRIPTION

CSL424 is a one-part, moisture curing room-temperature vulcanizing (RTV) 100% silicone air barrier and waterproofing material (liquid applied sealant). A smooth, non-slump paste, CSL424 is used in above-grade wall construction to protect rough openings and for transition detailing. CSL424 is compatible with most common building materials, including brick, wood (including treated plywood), concrete, and cement-based sheathings.

### PRODUCT CHARACTERISTICS AND PRACTICAL INFORMATION

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
Tack Free Time	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	1.13
Extrusion Rate (3.2 mm (1/8 ") orificio, 90 psi)	300 g/min
Slump/Sag	Nil
Cured at Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	20 points
Tensile Strength (ASTM D412)	180 psi (12.7 kg/cm <sup>2</sup> )
Elongation at Break (ASTM D412)	505%
Joint Movement Capability	±50%

†Please consult CSL for suitability for application at lower temperatures

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

### COLORS

CSL424 is available in Gray, Green and Black. Custom colors are available.

### SURFACE PREPARATION

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

Prior to sealant application, all surfaces should be cleaned by wiping with an oil-free solvent.

For remedial work, be sure to remove all old caulking and oily residues. Lacquer coatings are best removed with lacquer thinners. Remove any old paint and solvent wash surface prior to caulking.

**CSL424** 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

**CSL424** is ready-to-use and requires no mixing or additives. The cure mechanism begins as soon as the sealant comes in contact with the 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. Tooling should be done before "skinning" takes place.

The use of a bond breaker prevents undesirable three-sided adhesion and reduces the amount of sealant required. If the joint is too shallow to allow for a foam rod, use a bond breaker tape. Use masking tape on areas adjacent to joints when porous surfaces make clean-up difficult or where it is necessary to obtain a neat sealant line. It is preferable that masking tape be applied prior to priming. Tool immediately after sealant is applied and before a "skin" begins to form.

Remove masking tape immediately after tooling is completed.

For standard expansion joints, a thin bead minimizes the stress of the bonding interface and will accommodate more movement than a thick bead. CSL424 should be no thinner than 3 mm (1/8"). In general, the depth of the sealant is recommended to be equal to one-half the joint width. The width of building expansion joints vary due to daily and seasonal changes in temperature and therefore these joints should be designed to accommodate anticipated movement with temperature changes. Please refer to the table on the following page for estimated footage information.

### SAFETY PRECAUTIONS

CSL424 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

CSL424, 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 12 months from date of manufacture.

### PACKAGING

CSL424 is available in 300 mL (10.2 fl. oz.) cartridges, 600 mL (20.0 fl. oz.) sausages, 900 mL (30.0 fl. oz.) cartridges, 19 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.*

**CSL Silicones Inc.**  
144 Woodlawn Rd. W.  
Guelph, ON N1H 1B5  
Canada

T +1 519.836.9044  
TF + 1 800.265.2753

[www.cslsilicones.com](http://www.cslsilicones.com)

CSL 424 Reviewed 2019-09-18  
All trademarks registered. All rights reserved  
**CSL is ISO 9001:2015 Registered**

