

TYPICAL USES

- Air barrier flashing to protect against air, water and moisture penetration around windows and doors for commercial and residential construction.

FEATURES

- Fast-curing
- High Solids
- Low VOC
- Low odor
- Easy Installation
- Paintable
- Coatable
- Compatible with most urethane and silicone sealants and coatings

PRODUCT DESCRIPTION

CSL428 is a moisture cure, one-part, elastomeric air barrier and waterproofing material. Intended to be used in above-grade wall construction to protect rough openings and for transition detailing. The quick dry time allows for efficient window installation and additional air barrier material applications (mechanically fastened membranes, peel and stick membranes, tapes or liquid applied coatings). CSL428 is compatible with most common building materials, including brick, wood, concrete, and cement-based sheathings.

PRODUCT CHARACTERISTICS AND PRACTICAL INFORMATION

Type	STP
Appearance	Smooth, non-slump paste
Temperature Range†	
Application Temperature Range	Ambient to 50°C (120°F)
Useable Temperature Range	-30°C a 150°C (-22°F a 302°F)
Drying Time*	
Tooling/Skin-Over Time	30-40 minutes
Cure Time	24 hours
Full Physical Characteristics	7 days

PHYSICAL PROPERTIES

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

Uncured	
Extrusion Rate (3.2 mm (1/8 ") orifice, 90 psi)	225-275 g/min
Slump/Sag	Nil
Cure System	Moisture Cure
Cured at Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	35-40 points
Tensile Strength (ASTM D412)	250-300 psi (15.8 -19.7 kg/cm ²)
Elongation at Break (ASTM D412)	450-550%
Tear Resistance (ASTM D624, Die B)	50-60 ppi (8.7 - 10.5 kN/m)

*Please consult CSL for suitability for application at lower temperatures
 †At standard conditions 77°F (25°C) and 50% relative humidity

COLORS

CSL428 is available in White. Please consult CSL Silicones Inc. for other colors.

SURFACE PREPARATION

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. CSL428 adheres to damp (but not wet) concrete or wood.

For remedial work, be sure to remove all old caulking and oily residues.

CSL428 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

CSL428 is ready-to-use and requires no mixing or additives. Apply CSL428 to substrate in a serpentine fashion using appropriate caulking gun and then spread using a trowel, joint knife or roller to achieve a uniform membrane over the rough opening surfaces.

CSL428 can be applied in a single coat. Spread uncured CSL428 to cover the inside of the rough opening and extend a minimum of 4" (100 mm) over the surface of the exterior wall. Regularly monitor wet film thickness during application to assure adequate uniform coverage. Coverage may vary depending on application technique and nature of substrate. Curing begins as soon as the sealant comes in contact with air. Application at temperatures below 4°C (40°F) will slow curing, while increased levels of humidity will aid curing.

At conditions of 25°C (77°F) and 50% relative humidity, a bead of sealant 3 mm (1/8") will skin over in 30-40 minutes and fully cure in 24 hours, attaining full physical properties in 7 days. Tooling should be done before skin-over takes place. Remove wet material from application/spreading tool with a rag before the material cures. Carefully use appropriate cleaning agent, such as citrus solvent or odorless mineral spirits, to remove cured material from tools. For best results, follow precautions on packaging.

Many silicone sealants show excellent adhesion to CSL428. Contact the sealant manufacturer for more information.

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 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

CSL428, when stored in original, unopened container in dry, shaded conditions, away from sources of heat or ignition, and stored below 27°C (80°F), has a shelf life of 12 months from date of manufacture. CSL428 is not designed for permanent exposure to UV light and should be covered as soon as practical after application.

PACKAGING

CSL428 is available in 300 mL (10 fl. oz.)

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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