

CSL-339 Technical Data Sheet

Fast Cure Silicone Window Sealant

1. PRODUCT NAME

CSL-339 Fast Cure Silicone Window Sealant

2. FEATURES

- Neutral cure formulation
- Excellent adhesion to glass, aluminum, porcelain, ceramic, wood, stainless steel, most plastics and many other substrates including concrete
- 500% elongation

3. PRODUCT DESCRIPTION

CSL-339 has been formulated to meet the requirements as a backbedding sealant for high speed window and door manufacturers.

CSL-339 may be used for in-shop window fabrication as a bedding bead sealant. CSL-339 may be used for perimeter sealing of doors and windows and other general purpose sealing applications, for example:

- Bond and seal appliance parts.
- Insulate and seal electrical wires and terminals.

CSL-339 is a 100% silicone sealant, has

Typical Properties

These values are not intended for use in preparing specifications

Uncured	
Type	One-part RTV
Appearance	Smooth, non-slump paste
Specific Gravity	1.03
Extrusion Rate (3.2mm (1/8") orifice, 90psi)	200 g/min.
Application Temperature Range	-18°C to 50°C (0°F to 120°F)
Cure System	Neutral, Moisture Cure
Tooling Time at Standard Conditions*	5 - 8 min.
Cure Time at Standard Conditions*	24 hr.
Cured	
At Standard Conditions* for 7 Days	
Durometer Hardness (ASTM D2240, Shore A)	20 points
Tensile Strength (ASTM D412)	12.3 kg/cm ² (175 psi)
Tear Resistance (ASTM D624, Die B)	2.3 kN/m (13 pli)
Elongation at Break (ASTM D412)	500%
Thermal Expansion Coefficient (0°C to 100°C / 32°F to 212°F)	9.3 x 10 ⁻⁴ cm/°C
Useable Temperature Range	-45°C to 149°C (-50°F to 300°F)
Shrink Factor	Nil

*Standard Conditions are 25°C (77°F) and 50% relative humidity

excellent resistance to all weathering conditions, including ultra-violet radiation, ozone, moisture, freeze-thaw conditions, and normal airborne chemicals.

4. INSTALLATION

All surfaces should be clean and dry. Prior to sealant application on new surfaces, all surfaces should be cleaned by wiping with a solvent such as naphtha. Do not use Varsol. Lacquer coatings are best removed with lacquer thinners. For remedial work, be sure to remove all old caulking and oily residues. Remove any old paint and solvent wash surface prior to caulking.

CSL-339 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 minutes and fully cure in 4 hours. Tooling should be done before "skinning" takes place.

CSL-339 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.

COLORS

CSL-339 standard colors are clear and off-white. Custom colors are available upon request.

6. PACKAGING

CSL-339 is available in 300ml (10.2 fl oz) caulking cartridges, 19L (5 US gallon) pails and 189L (50 US gallon) drums.

7. STORAGE

CSL-339 when stored in original unopened container at or below 32°C (90°F) has a one year shelf life from the date of manufacture. Most products however, will last longer if stored in cool dry conditions.

8. SAFETY PRECAUTIONS

CSL-339 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 Material Safety Data Sheet available on this product. **KEEP OUT OF REACH OF CHILDREN.**

9. 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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