

CSL-345 Technical Data Sheet

Fast Cure Silicone Window Sealant

1. PRODUCT NAME

CSL-345 Fast Cure Silicone Window Sealant

2. FEATURES

- Neutral cure formulation
- Will not slump or flow when applied vertically
- Will maintain adhesion to concrete, masonry, metal, wood and other common construction materials
- 400% elongation

3. PRODUCT DESCRIPTION

CSL-345 has been formulated to meet the requirements as a backbedding sealant for high speed window and door manufacturers.

TYPICAL APPLICATIONS

CSL-345 may be used for in-shop window fabrication as a bedding bead sealant. CSL 345 may be used as a perimeter weatherseal, window installations and general purpose sealing applications.

CSL-345 is a 100% silicone sealant, has excellent resistance to all weathering conditions, including ultra-violet radiation,

Typical Properties

These values are not intended for use in preparing specifications

Uncured	
Type	100% silicone, one-part RTV
Appearance	Smooth, non-slump paste
Specific Gravity	1.13
Slump/Sag	Nil
Extrusion Rate (3.2mm (1/8") orifice, 90psi)	300 g/min.
Application Temperature Range	-18°C to 50°C (0°F to 120°F)
Cure System	Neutral, Moisture Cure
Tooling Time	5 - 8 min.
Cure Time at Standard Conditions*	4 hr.
Cured	
	At Standard Conditions* for 7 Days
Durometer Hardness (ASTM D2240, Shore A)	20 points
Tensile Strength (ASTM D412)	10.5 kg/cm ² (150 psi)
Elongation at Break (ASTM D412)	400%
Joint Movement Capability	±50%
Tear Resistance (ASTM D624, Die B)	3.5 kN/m (20 ppi)
Thermal Expansion Coefficient (0°C to 100°C / 32°F to 212°F)	9.3 x 10 ⁻⁴ cm ³ /°C
Useable Temperature Range	-45°C to 149°C (-50°F to 300°F)

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

ozone, moisture, freeze-thaw conditions, and normal airborne chemicals. Such resistance to the elements enables CSL-345 to retain its original design properties over many years of exposure.

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-345 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-345 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.

5. COLORS

CSL-345 is available in standard colors. Special colors are available on request.

6. PACKAGING

CSL-345 is available in 300ml (10.2 fl oz) caulking cartridges, 19L (5 US gallon) pails and 189L (50 US gallon) drums.

7. STORAGE

CSL-345 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-345 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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