

# SL-100 Self-Leveling Silicone Firestop

**SELF-SEAL®**  
FIRESTOPPING PRODUCTS

## TECHNICAL DATA SHEET

**Self-Seal® SL-100 Self-Leveling Silicone Firestop** is a single-component, low modulus, self-leveling silicone firestop sealant designed for floor applications. Its self-leveling property reduces labor costs (little or no tooling required) particularly around congested service penetrations assuring that all voids are sealed. It forms a pressure tight seal resistant to water, smoke and toxic gases, see **Self-Seal®** UL and cUL firestop systems for W (Water tightness) and L (Air Leakage) Ratings. The sealant is also resistant to cracking, ultraviolet radiation and ozone.

### FEATURES & TYPICAL USES:

**Self-Seal® SL-100** seals service penetrations and expansion joints in fire and smoke rated floor separations.

Basic uses include firestopping:

1. Aluminum, pre-cast concrete and most exterior wall systems.
2. Thermally expanding pipes that are insulated at fire separations.
3. Power / communication cables and aluminum / galvanized steel cable trays.
4. Static / non-static pipes and conduits.
5. Steel, Polyvinyl Chloride (PVC) sleeving or cored concrete openings.

Before ordering, consult **Self-Seal®** firestop listings to confirm that there is a firestop system for your particular site condition. **Self-Seal®** ARCHITECTURAL, MECHANICAL and ELECTRICAL APPLICATION CHARTS can be used as a quick reference. **Self-Seal® SL-100** is only recommended for use in firestop systems that are listed in the APPLICATION GUIDELINES FOR **Self-Seal® SL-100/GG-200 SILICONE FIRESTOP SEALANTS**.

### SURFACE PREPARATION & APPLICATION:

- All substrates must be clean and sound; free of oil, frost, grease, dust, and other foreign materials.
- **Pack voids with Self-Seal® MW-300 mineral wool (or equivalent)**. Recess wool from top surface of floor as required accommodating the specified thickness of **Self-Seal® SL-100** and then filling the cavity with the sealant. See **APPLICATION GUIDELINES FOR Self-Seal® SL-100/GG-200 SILICONE FIRESTOP SEALANTS** for further details.

### PRIMING:

Normally **Self-Seal® SL-100** does not require priming for most common building materials. A trial application is recommended before commencement of a project.

### CAUTION:

- Use in well ventilated areas and avoid breathing vapors.
- On contact, uncured sealant irritates eyes. Flush eyes with lukewarm water. Call physician.
- Avoid skin contact and **DO NOT** ingest.
- Consult Material Safety Data Sheet.

### MANUFACTURED BY:

NUCO INC. T: 519.823.4994 TF: 1.800.853.3984  
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Guelph, ON N1K 1N5



FORM: 100\_TDS.DOC

REV.:7 DATE: 01/12

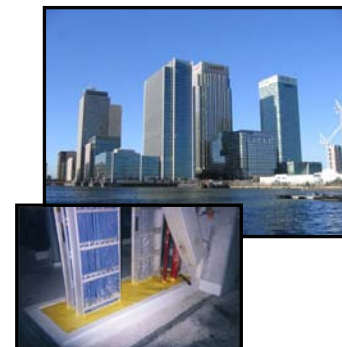


### FEATURES:

- 100% Self-leveling Silicone.
- Water resistant before, during, and after curing.
- Freeze-thaw stable.
- Protects your floor openings.
- Tested at positive pressure to simulate the pressure differentials that can occur in a fire situation.

### AVAILABLE SIZES & COLOUR:

- 300 mL (10.1 fl.oz.) cartridge
- 591.4 mL (20.0 fl.oz.) sausages
- 850 mL (28.6 fl.oz.) cartridge
- 10 L (2.6 gallon) pail
- 17 L (4.5 gallon) pail
- 12 cartridges per case
- 12 sausages per case
- 144 cases per skid (300 mL)
- 90 cases per skid (591.4 mL)
- 52 cases per skid (850 mL)
- 64 pails per skid (10 L)
- 32 pails per skid (17 L)
- Available colors include: Limestone & Yellow.



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

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### SPECIFICATIONS:

Self-Seal® SL-100 meets:

- ASTM C920, Type S, Grade SL, Class 25, Use NT, M, G, A, O and
- CAN/CGSB-19.13-M87, Class MCG-1-25-A-L
- Factory Mutual Research Approved

### SHELF-LIFE & STORAGE:

Shelf-life is 12 months from date of shipment from our plant when stored in clean, dry area with temperature between 10°C to 25°C (50°F to 77°F).

### TYPICAL PROPERTIES\*:

These values are not intended for use in preparing specifications. Spec Writers; please contact NUCO Inc. before writing specifications if any further information is required.

Description	Specification
<b>As Supplied...</b>	
Type:	One part silicone sealant
Cure Method:	Neutral, moisture cure
Specific Gravity:	1.31
Working Time:	20 – 40 minutes
Application Temperature Range:	-29°C to 50°C (-20°F to 122°F)
Full Cure / Adhesion:	14 – 21 Days
<b>As Cured...</b>	
Joint Movement (ASTM C920):	+/- 25%
100% Modulus (ASTM D 421):	30 psi (0.207 MPa)
Elongation at Break (ASTM D 412):	600%
Tear Strength (ASTM D624, die 'C'):	25 ppi (4.38 kN/m)
Hardness (ASTM C 661, Shore A):	20
Dielectric Strength (ASTM D149)	503 V/mil (19.9 kV/mm)
UPITT Combustion Toxicity (LC50)	33 grams
Service Temperature Range (ASTM C1299):	-51°C to 149°C (-60°F to 300°F)
Surface Burning Characteristics (ASTM E-84):	FSI = 0; SD = 33
Fire Tests (UL 1479, UL2079, ASTM E-814, CAN/ULC-S115):	1, 2, 3, and 4 hours
*These values are for general information and not for specification purposes.	

### DISCLOSURE

The information and data contained herein is BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. Please read all statements, recommendations or suggestions herein in conjunction with our CONDITIONS of SALE which apply to all goods supplied by us. We assume no responsibility for the use of these statements, recommendations or suggestions, nor do we intend them as recommendation for any use which would infringe any patent or copyright.

### WARRANTY INFORMATION:

NUCO Inc., warrants only that its product will meet its specifications. NUCO shall in no event be liable for incidental or consequential damage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.

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