

Self-Seal® SL-100 SELF-LEVELLING SILICONE FIRESTOP SEALANT



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.

Self-Seal® SL-100 is a single-component, low modulus, self-levelling silicone firestop sealant designed for floor applications. 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:

Features:

- Self-Levelling silicone
- Water resistant before, during, and after cure
- Freeze-thaw stable
- Protects your floor openings
- Tested at positive pressure to simulate the pressure differentials that can occur in a fire situation

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

Basic uses include firestopping:

- Aluminium, pre-cast concrete and curtain wall systems.
- Thermally expanding pipes that are insulated at fire separations.
- Power / communication cables and aluminium / galvanized steel cable trays.
- Static / non-static pipes and conduits.
- Steel, Polyvinyl Chloride (PVC) sleeving or cored concrete openings.

■ SURFACE PREPARATION & APPLICATION:

Before Use: Read the label in its entirety.

Surface Preparation:

- Surfaces must be structurally sound, clean, dry, and free from oil, grease, water, dirt, or any other material and membranes that may deter adhesion.

Application:

1. See application guidelines for information regarding installation.
2. Follow all instructions in system/listing for each application. If you need help, call us at 1-800-853-3984.

Clean-up:

1. Uncured Self-Seal® SL-100 silicone firestop cannot be removed with water.
2. Remove the bulk of the uncured sealant with a plastic scraper, being careful not to compress it into cracks or crevices.
3. Use a cloth saturated with mineral spirits, acetone, or denatured alcohol to wipe away any remaining silicone.
4. Clean surface with soap and water if possible.

Chemical Resistance & Durability:

1. At ambient temperatures, the fully set silicone sealant can temporarily withstand:
 - a. 15% diluted acids and bases
 - b. Majority of common cleaning agents and disinfectants (excluding those containing iodine)
2. Silicone rubber will degrade gradually if exposed to strong acids and bases.



SELF-SEAL®
FIRESTOPPING PRODUCTS

Self-Seal® SL-100 SELF-LEVELLING SILICONE FIRESTOP SEALANT

TYPICAL PROPERTIES:

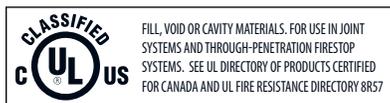
These values are not intended for use in preparing specifications. Spec Writers; please contact NUCO Inc. before writing specifications if any further information is required.

Description	Specification
As Supplied...	
Type:	One part silicone sealant
Cure method:	Neutral, moisture cure
Specific gravity:	1.31
Working time:	20 - 40 minutes
Application temperature range:	-29° to 50°C (-20° to 122°F)
Full cure / adhesion:	14 - 21 days

As Cured - Physical - after 7 days at 25°C (77°F) and 50% relative humidity...

ASTM C920 - joint movement:	±25%
ASTM D421 - 100% modulus:	0.207 MPa (30 psi)
ASTM D421 - elongation at break:	600%
ASTM D624, die 'C' - tear strength:	4.38 kN/m (25 ppi)
ASTM C661 - hardness, shore A:	20
ASTM D149 - dielectric strength:	19.9 kV/mm (503 V/mil)
LC50 - UPITT combustion toxicity:	33 grams
ASTM C1299 - service temperature range:	-51° to 149°C (-60° to 300°F)
ASTM E-84 - surface burning characteristics:	FSI = 0 SD = 33
ASTM G21 - fungal resistance rating:	No growth = 0

*These values are for general information and not for specification purposes.



Subject to the Conditions of Approval as a Wall & Floor Penetration Firestop when installed as described in the current edition of the Factory Mutual Research Approval Guide.



SPECIFICATIONS:

Self-Seal® SL-100 Self-Levelling Silicone Firestop Sealant meets:

- ASTM C920, Type S, Grade SL, Class 25, Use NT, M, A
- CAN/CGSB-19.13-M87, Class MCG-2-25-A-L
- South Coast AQMD Rule 1168 Compliant
- Factory Mutual Research Approved
- Fire tests (UL 1479, UL 2079, ASTM E-814, CAN/ULC-S115): 1, 2, 3, & 4 hours
- Self-Seal® SL-100 has achieved GREENGUARD GOLD Certification

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.

FBC™ System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold®, BlazeMaster® and Corzan® piping systems and products made with TempRite® Technology. The FBC System Compatible Logo, FBC™, FlowGuard Gold®, BlazeMaster®, Corzan®, and TempRite® are trademarks of Lubrizol Advanced Materials, Inc. or its affiliates.

STORAGE AND SHELF LIFE:

- Shelf life is 24 months from the date of manufacture when stored in a clean, dry area.
- Store between 10° to 25°C (50° to 77°F).
- For best results, store the sealant in tightly closed containers when not in use.

CAUTION:

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

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.

50 YEAR DURABILITY STATEMENT:

Material will remain elastic in nature for 50 years. Independent tests indicate that silicone sealant will withstand outdoor weathering for 50 years without significant performance changes. This statement applies to the sealant itself and not to the substrates to which it is bonded to. In the event of elasticity failure, return original container and sales receipt to Nuco Inc. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.

MANUFACTURER INFORMATION:

NUCO Inc. 150 Curtis Drive
Guelph, ON N1K 1N5

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F: 519-823-1099

TF: 1-800-853-3984
E: info@nucoinc.com

AVAILABLE SIZES & COLOURS:

SKU	Colour	Size	Format
10036	Limestone	300 mL	Cartridge
10086	Limestone	850 mL	Cartridge
10056	Limestone	591 mL	Sausage
10050	Yellow	591 mL	Sausage
10016	Limestone	10 L	Pail
10076	Limestone	17 L	Pail
10070	Yellow	10 L	Pail

LIMITED WARRANTY INFO:

NUCO Inc., warrants only that its product will meet its specifications for a period of 12 months following date of manufacture. NUCO shall in no event be liable for incidental or consequential damage, or improper storage. NUCO's liability, expressed or implied is limited to the stated selling price of any goods found to be defective.