

# GG-266 Intumescent Silicone Firestop

**SELF-SEAL®**  
FIRESTOPPING PRODUCTS

## TECHNICAL DATA SHEET

**Self-Seal® GG-266** is a single-component, neutral cure, non-slumping **intumescent silicone caulk** that is designed to seal combustible service penetrations in fire-rated walls and floors. When exposed to temperatures in excess of 150°C (300°F) it will begin to expand. As the combustible penetrating item softens and collapses under fire conditions, the silicone composition will rapidly intumesce to fill the void with a patented char composite that contains expanded graphite.

The cured silicone rubber composition exhibits excellent performance stability and provides 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. **Self-Seal® GG-266** is also in compliance with the 3rd edition of ANSI / UL1479 "Fire Tests of Through-Penetration Firestops", for the following environmental exposure tests: Accelerated Aging; High Humidity; Industrial Atmosphere (SO<sub>2</sub> and CO<sub>2</sub>) and Combination Wet, Freeze and Dry Cycling.

### FEATURES & TYPICAL USES:

**Self-Seal® GG-266** is ideally suited for "caulk & walk" type applications, particularly where firestop collar systems cannot be accommodated. For up to 2 inch (51 mm) trade size diameter solid or cellular core Polyvinyl Chloride (PVC), solid or cellular core Acrylonitrile Butadiene Styrene (ABS), **IPEX AquaRise, Crosslinked Polyethylene (PEX)**, Flame Retardant Polypropylene (FRPP) and Chlorinated Polyvinyl Chloride (CPVC) pipe penetrations only a minimum 5/16 inch (8 mm) annular space, i.e., a maximum 3 inch (76 mm) cored opening, is needed. Solid core PVC vented and **PEX process and supply tubing penetrations**, firestopped with **Self-Seal® GG-266** meet the Canadian and **Ontario** building code test requirement for a pressure differential of 50 Pa between the exposed and unexposed sides of concrete, drywall and **framed** floor-ceiling fire-rated assemblies. **Self-Seal® GG-266** can be used to firestop up to 4 inch (102 mm) PVC, **IPEX XFR® 15-50** PVC, Royal Pipe HRS2550, ABS and CPVC pipe penetrations through conical shaped or cored openings in concrete floor slabs avoiding the necessity for firestop collar systems. **Self-Seal® GG-266** is also suitable for AB / PVC flexible foam insulated copper pipe, and metallic and insulated pipe penetrations.

Before ordering, consult **Self-Seal®** firestop listings to confirm that there is a firestop system for your particular site condition. **Self-Seal® MECHANICAL** and **ELECTRICAL APPLICATION CHARTS** can be used as a quick reference. **Self-Seal® GG-266** is only recommended for use in firestop systems that are listed in the **APPLICATION GUIDELINES FOR Self-Seal® GG-266 SILICONE INTUMESCENT FIRESTOP CAULK**.

### SURFACE PREPARATION & APPLICATION:

- All substrates must be clean and sound; free of oil, frost, grease, dust, and other foreign materials.
- Recess backing material from the surface of the wall or floor to accommodate the specified thickness of **Self-Seal® GG-266** and then fill the annular space with the caulk. See **APPLICATION GUIDELINES FOR Self-Seal® GG-266 SILICONE INTUMESCENT FIRESTOP CAULK** for further details.

#### MANUFACTURED BY:

NUCO INC. T: 519.823.4994 TF: 1.800.853.3984  
150 Curtis Drive F: 519.823.1099 E: sales@nucoinc.com  
Guelph, ON N1K 1N5



FORM: 266\_TDS.DOC

REV.: 7 DATE: 01/17

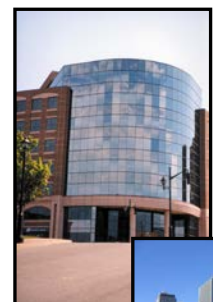


#### FEATURES:

- 100% Intumescent Silicone.
- "Caulk & Walk" system.
- Protects your wall & floor openings.
- Water resistant before, during, and after curing.
- Expands to close penetrations & stop transfer.
- 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
- 10 L (2.6 gallon) pail
- 12 cartridges per case
- 12 sausages per case
- 144 cases per skid (300 mL)
- 90 cases per skid (591.4 mL)
- Available colors include: Red.



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

# GG-266 Intumescent Silicone Firestop

**SELF-SEAL**<sup>®</sup>  
FIRESTOPPING PRODUCTS

## TECHNICAL DATA SHEET

Page 2 of 2

### SPECIFICATIONS:

Self-Seal<sup>®</sup> GG-266 meets:

- ASTM E-814,
- ANSI / UL1479,
- UBC 7-5 and
- CAN/ULC-S115



FBC<sup>™</sup> System Compatible indicates that this product has been tested, and is monitored on an ongoing basis, to assure its chemical compatibility with FlowGuard Gold<sup>®</sup>, BlazeMaster<sup>®</sup> and Corzan<sup>®</sup> pipe and fittings. FBC<sup>™</sup>, FlowGuard Gold<sup>®</sup>, BlazeMaster<sup>®</sup> and Corzan<sup>®</sup> are licensed trademarks of The Lubrizol Corporation or its affiliates.

### 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.*

**SELF-SEAL**<sup>®</sup>  
FIRESTOPPING PRODUCTS



www.SelfSealFirestops.com

### PRIMING:

Normally Self-Seal<sup>®</sup> GG-266 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.

### 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:	1.25
Working Time:	20 – 40 minutes
Application Temperature Range:	-29°C to 50°C (-20°F to 122°F)
<b>As Cured...</b>	
Free Expansion Volume:	> 6 times original volume when heated at 350°C (662°F)
Service Temperature Range:	14°F to 230°F (-10°C to 110°C)
Surface Burning Characteristics (ASTM E-84):	FSI = 0; SD = 27
*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.

### MANUFACTURED BY:

NUCO INC. T: 519.823.4994 TF: 1.800.853.3984  
150 Curtis Drive F: 519.823.1099 E: sales@nucoinc.com  
Guelph, ON N1K 1N5



FORM: 266\_TDS.DOC

REV.: 7 DATE: 01/17