

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 (SO₂ and CO₂) 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, 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:

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FORM: 266_TDS.DOC

REV.: 5 DATE: 07/10



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
- 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)
- 32 pails per skid (17 L)
- Available colors include: Red.



www.SelfSealFirestops.com

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SPECIFICATIONS:

Self-Seal® GG-266 meets:

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

PRIMING:

Normally Self-Seal® 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
As Supplied...	
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)
As Cured...	
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

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WARRANTY INFORMATION:

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