

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.

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), 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 CPVC sprinkler pipe penetrations firestopped with **Self-Seal® GG-266** meet the Canadian building code test requirement for a pressure differential of 50 Pa between the exposed and unexposed sides of concrete, drywall and wood floor-ceiling fire-rated assemblies. **Self-Seal® GG-266** can be used to firestop up to 4 inch (102 mm) PVC, 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, PEX process and supply tubing penetrations, and metallic and insulated pipe penetrations.

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 seals combustible service penetrations that pass through fire and smoke rated wall and floor separations. See MECHANICAL and ELECTRICAL APPLICATION CHARTS for details.

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 further details.

Self-Seal® GG-266 is only recommended for use in firestop systems that are listed in either the **UL Fire Resistance Directory Vol. 2**, the **UL Directory of Products Certified for Canada**, the **ULC List of Equipment and Materials - Firestop Systems and Components**, or the **Warnock Hersey Directory of Listed Products**.

MANUFACTURED BY:

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FORM: 266_TDS.DOC

REV.: 4 DATE: 05/08



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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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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SPECIFICATIONS:

Self-Seal[®] **GG-266** meets:

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

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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