

SSR Intumescent Silicone Firestop Rings

SELF-SEAL[®]
FIRESTOPPING PRODUCTS

TECHNICAL DATA SHEET

Self-Seal[®] Type SSR is a pre-fabricated silicone rubber intumescent ring designed to seal combustible pipe penetrations in fire-rated walls and floors. The silicone composition exhibits excellent performance stability and when exposed to temperatures in excess of 150°C (300°F) it will begin to expand. As the pipe 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 ring is pre-fabricated to fit 1-1/2" (38 mm), 2" (51 mm), 3" (76 mm) and 4" (102 mm) trade sized pipes

Self-Seal[®] Type SSR 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[®] Type SSR can be used to firestop 3" (76 mm) and 4" (102 mm) solid core Polyvinyl Chloride (PVC) vented and Chlorinated Polyvinyl Chloride (CPVC) sprinkler pipe penetrations through metal deck floor assemblies avoiding the necessity for a metal plate enclosure and firestop collar. PVC vented and CPVC piping firestopped with **Self-Seal[®] Type SSR** meets the Canadian building code test requirement for a pressure differential of 50 Pa between the exposed and unexposed sides of the metal deck fire-rated assembly.

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[®] Type SSR is only recommended for use in firestop systems that are listed in the APPLICATION GUIDELINES FOR Self-Seal[®] Type SSR SILICONE FIRESTOP RINGS.

INSTALLATION:

- All substrates must be clean and sound; free of oil, frost, grease, dust, and other foreign materials.
- Select the intumescent ring(s) to fit the diameter of the pipe to be firestopped and install in accordance with the appropriate UL or cUL firestop systems. See **APPLICATION GUIDELINES FOR Self-Seal[®] Type SSR SILICONE FIRESTOP RINGS** for further details.

MANUFACTURED BY:

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



FORM: SSR_TDS.DOC

REV.: 5 DATE: 07/10



FEATURES:

- 100% Intumescent Silicone.
- Pre-fabricated.
- Protects your wall & floor openings.
- Expands to close penetrations.
- Tested at positive pressure to simulate the pressure differentials that can occur in a fire situation.

AVAILABLE SIZES:

- *Pre-fabricated rings to fit trade pipes sizes of;*
- 3" (76 mm)
- 4" (102 mm)



www.SelfSealFirestops.com

SSR Intumescent Silicone Firestop Rings

SPECIFICATIONS:

Self-Seal® SSR meets:

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

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...	
Specific Gravity:	1.26 – 1.29
Free Expansion Volume:	> 9 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.

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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