

INSS2460/INSS2460+ Fire Barrier Silicone Sealant



Description

INSS2460 Fire Barrier Silicone Sealant is a ready to use, gun-grade single component silicone elastomer which cures upon exposure to atmospheric humidity to form a flexible water proof seal. INSS2460 is designed to seal the gaps around pipes, and cable penetrations through fire-rated floors, walls or other assembly's and for sealing gaps around doors and window frames in critically fire rated structures.

INSS2460+ is a silicone based firestop sealant that offers excellent flexibility, is waterproof and tested for up to 3 hour assembly rating in accordance with UL2079. After exposure to 1×10^6 Gy (1×10^8 rad) of neutron or gamma radiation, INSS2460 will maintain its full firestop performance characteristics for 50+years. INSS2460 / INSS2460+ adheres to most construction materials including concrete, stone, plaster, metals, glass, plastics etc. Installation friendly, asbestos and halogen free are ideal for use where contact with moisture is a concern.

Specification

Density	$1.3 \pm 0.1 \text{ g/cm}^3$
Tack-free time	Approx. 30min.
Time for full cured	7~14 days
Hardness (full cured)	SHORE A30 ~ 40°
STC Rating (ASTM E90)	64(per construction type)
Storage temp.	10°C ~ 30°C
Package	(INSS2460) 310ml/Tube ; 25 Tubes/CTN 20 fl.Oz/Sausage ; 20 Sausages/CTN (INSS2460+) 1G/Pail ; 5G/Pail

Test

INSS2460

- UL1479 up to 3hrs, T, F and L Rating
- ULC S115 up to 2hrs, FTH Rating
- FM approved
- CNS15814-1
- CNS14514, 3hrs, Class A and B
- GB23864
- ASTM E84
- ASTM E662

INSS2460+

- UL2079, 3hrs
- ULC S115 up to 3hrs, FTH Rating



Installation guide

Cleaning

Prior to applying INSS2460 Fire Barrier Silicone Sealant, surface must be free of contaminants and loose material, dry and frost-free.

Packing or Forming

Mineral wool batt or ceramic fiber blanket is recommended for use in through-penetrations. Cut material oversized to allow for tight packing of annular space. Position packing material as required for the proper depth of fill material.

Filling materials

INSS2460 Fire Barrier Silicone Sealant may be installed by using a caulking gun, or by manually troweling using a mason's trowel or putty knife. Install sealant to required depth and trim flush with surface.

Sealing application

For applications that include applying Firestop Sheet FP-02 or FP-04+, a minimum 3/8 in. (10mm) thickness of fill material is required around the periphery of each firestop sheet prior to securing it to the floor or wall. In addition, min 3/8 in. (10mm) bead of sealant applied at the periphery of the through penetrant and firestop sheet interface on both sides of the floor or wall opening.

Applications

