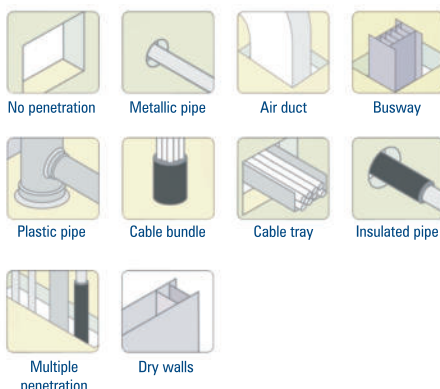# INSS1440
Fire Barrier Caulk

Description

INSS1440 Fire Barrier Caulk is a single component water based acrylic designed to seal the gaps around penetrations, containing single or multiple items, through fire rated walls or floors, and for sealing gaps around doors and window frames in critically fire rated structures.

After exposure to 1×10^{6} Gy (1×10^{8} rad) of neutron or gamma radiation, INSS1440 will maintain its full firestop performance characteristics for 50+ years. INSS1440 offers a fast intumescent rate and blocks thermal transfer. INSS1440 will adhere to most construction materials and penetrant items. Installation friendly, asbestos and halogen free, INSS1440 is one of the primary products used in firestop assemblies. INSS1440 does not contain silica gel.

Specification

Density	1.45 ± 0.1g/cm³
Tack-free tIme	Approx. 30 min.
Time for full cured	7 ~ 21 days
Expansion rate	≥ 3 times
VOC	<50 g/L
STC Rating(ASTM E90)	64(per construction type)
Storage temp.	10°C ~ 30°C
Package	310ml/Tube ; 25Tubes/CTN
	20 fl.Oz/Sausage ; 20 Sausages/CTN
	1G/Pail, 5G/Pail
Shelf Life	2 years

Applications

No penetration	Metallic pipe	Air duct	Busway
Plastic pipe	Cable bundle	Cable tray	Insulated pipe
Multiple penetration	Dry walls		

Installation guide

Refer to UL online certifications directory or other directories of design for listed assemblies

1. Ensure application area is clean and free of oil, loose dirt, rust or scale.

2. If forming is required, cut forming material over-size to allow for tight packing of the annular space.

3. Using a caulking gun, apply INSS1440 fire barrier caulk into the seams, gaps or voids between forming material and floor or wall surface.

4. The sealant surface can be smoothed using a putty knife dipped in water.

5. INSS1440 fire barrier caulk cures by water evaporation and is not recommended for use in a wet environment.

Test

- UL1479 up to 3 hrs, T,F and L Rating
- ULC S115 up to 3 hrs, FH Rating and 2hrs FTH Rating
- FM approved
- ASTM E814
- CNS15814-1
- CNS14514 up to 3 hrs, Class A and B
- GB23864
- ASTM E84
- ASTM E662