

Nudura

LOW EXPANSION SPRAY FOAM



PRODUCT INFORMATION SHEET

Product Code

NUS-AFOAM-00

Product Description

Nudura Low Expansion Spray Foam is a one-component, high performance polyurethane based sealant available in a 24 oz. (710 mL) can. The Low Expansion Spray Foam provides a permanent air seal and is able to fill gaps and cracks up to 1 ½" (38 mm) wide. Nudura Low Expansion Spray Foam can be used on a wide variety of materials including EPS Foam, wood, masonry, plastics, drywall, and many more. Nudura's Low Expansions Spray Foam is environmentally friendly, containing no VOC's or HCFC's.

Basic Uses

Nudura's Low Expansion Spray Foam is designed to fill and seal many areas around the job site. These areas include sealing around service penetrations, around window and door frames, and to fill areas on the wall surface where the Nudura form has been cut or damaged. The Spray foam is also used at the base of the wall to seal the Nudura form to the footing or slab and to fill any cut imperfections of the EPS panel joints.

Application

To promote adhesion, ensure the work surface is clean and dry, and free of oil, grease, and excess moisture. Attach the spray foam can to the spray foam applicator gun by threading the can into the foam gun basket, making sure to not over-tighten. Shake the can well for 30 seconds. Dispense foam with can upside down, testing bead size on scrap material first. Fill area about 50% full, leaving room for foam to expand. To improve curing in arid regions, spray a light water mist into the cavity before applying foam. Low Expansion Spray Foam exposed to direct sunlight should be either covered or painted. Once a can has been started, do not remove the can from the gun until it is empty, or product in the can is expired.



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Properties

Properties	Standard	Result
Dry Time/ Tack Free (at 50% relative humidity)	-	Approx. 10 minutes
Cuttable	-	30 mins
Cure Time	-	Approx. 1 hour
Shelf Life	-	18 months (unopened)
Application Temperature (at 50% relative humidity)	-	60°F – 100°F (16°C – 38°C)
Maximum Service Temperature of Cured Foam	-	240°F (116°C)
Density	ASTM D1622	1.2 – 1.8 lbs/ft ³ (19.2 – 28.8 kg/m ³)
Thermal Resistance** F.ft ² .h/Btu (K.m ² /W)	ASTM C518	4.5 (0.79)
Percent Closed Cell Content	ASTM D2856	77%
Compressive Strength	ASTM D1621	11 psi (75.8 kPa)
Tensile Strength	ASTM D1623	26 psi (179.2 kPa)
Shear Strength	ASTM C273	18 psi (124.1 kPa)
Shear Strain	ASTM C273	38 psi (262.0 kPa)
Percent Elongation at Break	-	12%
Flame Spread	UL 723	15
Smoke Developed	UL 723	25

*All Values are Nominal

** Property is expressed per 1-inch (25.4mm) thickness of material

Storage/Disposal

Store unused spray foam cans in their original packaging in a clean, dry location for up to 18 months. Storage location should be kept between 50°F – 100°F (10°C – 38°C).

Open cans should be left attached on the spray foam applicator gun in an upright position with the spray foam applicator gun's flow control knob turned to the fully closed position. An open can of Nudura Low Expansion Spray foam can be stored for a maximum of 15 days between 50°F – 100°F (10°C – 38°C).

Dispose of the spray foam can and any unused product in accordance with local regulations. Contact the local authority to determine the best practice for proper disposal.

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Packaging

Nudura Low Expansion Spray Foam is packaged 12 cans in a durable cardboard box.

Box Length: 13" (330 mm)

Box Width: 8" (203 mm)

Box Height: 12" (305 mm)

Box Weight: 25 lb (11 kg)

Estimating

The required number of cans of low expansion spray foam will depend on the width and length of the gap required to be sealed. Use the yield estimate table below to help determine how many cans of spray foam are required.

Yield Estimate Table		
Size (Volume)	Bead Diameter	Linear Feet
24 oz. (710 mL) can	1/4" (6.35 mm)	3,200 ft (975.4 m)
	3/8" (9.53 mm)	1,420 ft (432.8 m)

*ASTM C1536

Warning

Proper personal protection equipment (PPE) should always be used while working with the Nudura Low Expansion Spray Foam. This includes gloves, eye protection, and work clothes. Drop cloths should be used to protect the surrounding area.

Watch our accessory videos on [Nudura's YouTube Channel](#)

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Nudura Inc., June 2020