Insulthane® EDGE Doors & Windows | One-Component Canned Foam

Product Description

Insulthane® EDGE Doors & Windows is a one component, self-expanding, ready-to-use polyurethane foam. This product is designed for sealing doors, windows, curtain wall perimeters or any other gaps that need to be filled.

Storage and Shelf Life

Store upright in a dry area at a temperature below 50°C (122°F). Do not expose the product to open flame or temperatures above 50°C (122°F). Storage in excessive heat can cause premature aging of components resulting in a shorter shelf-life. Shelf life is 15 months from the date of production.

Packaging

This product is available in a case of 12 individual cans with a per can volume of approximately 680g/24oz/660ml.

Application Procedure

FOR PROFESSIONAL USE ONLY. Attach the container to the dispensing unit, shake well, and begin dispensing. The dispensing units can be metered by pulling the dispensing unit trigger for the desired rate, or with the metering screw located in the back. Foam application can be interrupted when needed as outlined in the instructions and the dispensing unit will be ready for immediate reuse, as long as it remains attached to a pressurized container. An empty gun foam container must be replaced with a new container.

Compatibility

Cured low pressure polyurethane foam is chemically inert and non-reactive in approved applications, and will not harm electrical wire insulations, Romex®, rubber, PVC, polyethylene (i.e. PEX) or other plastics. The product is not resistant to UV rays, if left exposed the product should be coated or painted.

Health and Safety

Recommend using only in a well-ventilated area. Wear protective glasses with side shields or goggles, nitrile gloves, and clothing that protects against dermal exposure. Read all instructions and safety information prior to use. Consult the product Safety Data Sheet (SDS) for more information.

ELASTOCHEM®

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Technical Data

Attribute	Test	Results
Density	ASTM D1622	1.0 lbs/ft^3 (16 kg/m^3)
R-Value	ASTM C518	4.7 per inch
Air Barrier Properties (Estimated) @ 1.57 psf (75 Pa)	ASTM E283	< 0.00028 cfm/ft^2 (< 0.0014 L/s/m^2)
Compressive Strength	ASTM D1621	6.38 psi (44 kPa)
Durability	CAN/ULC 710.1	Pass
Dimensional Stability	ASTM D2126	+/- 5%
Closed Cell Content	ASTM D2856	68%
Fire Rating (Tested 3 Beads at 3/4")	CAN/ULC S102	FS 25 SD 50
Fungi Resistance	ASTM G21	No Growth
Cuttable	1 hour	
Tack Free Time	Approx. 5 minutes	
CCMC	14932-L	

Theoretical Yield

Foam Thickness	Theoretical Yield
1/4" (6.3 mm)	4403 ft (1342 m)
3/8" (9.5 mm)	1957 ft (596 m)
1/2" (12.7 mm)	1101 ft (336 m)

* Note: Yield is based on free-rise density. Applying foam into a cavity may result in higher in-place densities due to packing effects. These higher densities may result in lower yields.

Temperature Guidelines

Attribute	Value
Product Storage	< 50°C (< 122°F)
Application (Substrate)	-18 to 38°C (0 to 100°F)
Chemical	18 to 27°C (65 to 80°F)
Cured Foam	-129 to 116°C (-200 to 240°F)