Insulthane® EDGE 2K 600 | Two-Component Low-Pressure Foam Kit

Product Description

Insulthane® EDGE 2K 600 is a two component, low-pressure, medium-density spray polyurethane foam. This product is designed to fill and seal various-sized voids.

Storage and Shelf Life

Store in a dry area. Do not expose the kits or tanks to open flame or temperatures above 32°C (90°F). Excessive heat can cause premature aging of components resulting in a shorter shelf-life. Shelf life is 24 months from the date of production.

Packaging

This product is available in a two-component kit with an A and B container weighing approximately 55 lbs each.

Application Procedure

FOR PROFESSIONAL USE ONLY. Substrate must be clean, dry, firm, free of loose particles, and free of dust, grease and mold release agents. Protect surfaces not to be foamed. Condition chemical to 24-29°C (75-85°F). Follow instructions for set-up found in the operating instructions.

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

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

Temperature Guidelines

Attribute	Value
Product Storage Temp.	16-32°C (60-90°F)
Outside Application Temp.	4-38°C (40-100°F)
Process Core Chemical Temp.	24-29°C (75-85°F)
Surface Temp. (Substrate)	4-38°C (40-100°F)
Cured Foam	-129-116°C (-200-240°F)

Technical Data

Attribute	Test	Results
Density (Free Rise)	ASTM D1622	1.75 lbs/ft^3 (28 kg/m^3)
Density (In-Place)	ASTM D1622	2.11 lbs/ft^3 (35.2 kg/m^3)
R-Value (Initial)	ASTM C518	6.6 @ 1” 13.2 @ 2”
R-Value [Aged 180 Days @ 75°F (24°C)]	ASTM C518	6.1 @ 1” 11.7 @ 2”
Air Barrier Properties (Tested at 1” Thickness) @ 1.57 psf (75 Pa)	ASTM E283	0.003 cfm/ft^2 (< 0.02 L/s/m^2)
Air Permeance @ 1.57 psf (75 Pa)	ASTM E2178	0.0008 cfm/ft^2 (< 0.004 L/s/m^2)
Compressive Strength	ASTM D1621	24.2 psi (167 kPa)
Tensile Strength	ASTM D1623	40.3 psi (278 kPa)
Dimensional Stability 22°C (70°F), 50% R.H. -4°C (-20°F) 70°C (158°F), 97% R.H.	ASTM D2126 (28 Days)	+/- 5% +/- 5% +/- 0.96%
Closed Cell Content	ASTM D2856	> 90%
Fungi Resistance	ASTM G21	No Growth
Perm Rating (Tested at 1.5” Thickness)	ASTM E96 (Method A)	1.4 perms (Class III Vapour Retarder)
Water Absorption	ASTM D2842	0.83%
Fire Rating (Tested at 4” Beads)	CAN/ULC S102	FS 20 SD 60
VOC Content	EPA Method 24 (Calculated)	37 g/L
Cuttable	Approx. 10 minutes	
Tack Free Time	30 - 60 seconds	
CCMC	14933-L	

Theoretical Yield

Product	Weight (Incl. Packaging)	Board Feet (Up To)	Cubic Feet (Up To)	Linear Feet (Up To)
Insulthane EDGE 2K 600	111.6 lbs (50.6 kg)	605 ft^2 (56.2 m^2)	50.4 ft^3 (1.43 m^3)	9244 ft @ 1" bead 2311 ft @ 2" bead

* 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.

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Elastochem Specialty Chemicals Inc.
37 Easton Road Brantford, ON N3P 1J4
1-877-787-2436 **www.elastochem.com**