



PRODUCT NAME

ENERFOAM™ Professional Foam Sealant

2 Distributor

Canadian Industrial Distributors

Branches across Canada

See www.cid.ca

Tel: 877.280.0243

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3 Product Description

ENERFOAM™ Professional Foam Sealant is a one-component, minimal-expanding, flexible polyurethane foam used for adhering insulated concrete forms, architectural foam and drywall, and sealing cracks and voids such as pipe penetrations. The foam expands only enough to generate an effective seal, retaining elasticity as the structure expands and compresses.

BASIC USE

ENERFOAM™ Professional Foam Sealant is designed to form a durable, airtight, water-resistant bond to common building substrates such as wood, brick, concrete, foam board and most plastics. Its foam skin repels and deflects water, which can help reduce the potential for moisture damage to wood substrates.

ENERFOAM™ Sealant:

- expands to take the shape of cracks and voids, forming an airtight barrier
- reduces pathways where insects can enter
- can reduce drywall nail pops
- installs in minutes (tack-free within 6 minutes, trims within 1 hour*)

SIZES

ENERFOAM™ Professional Foam Sealant is available in 20 oz and 26 oz gun- and reusable straw-applied versions. See Table 1 for estimated yields. Contact your Dow sales representative with questions.

ACCESSORIES

ENERFOAM™ Series foam dispensing guns enable pinpoint application control. A spring-loaded valve prevents the foam from curing and blocking the valve, allowing the can to be reused up to one month after initial use.

4 Technical Data

APPLICABLE STANDARDS

ENERFOAM™ Professional Foam Sealant meets the following standard:

- ASTM D6464 – Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing

CODE COMPLIANCES

ENERFOAM™ Sealant complies with the following code:

- Underwriters Laboratories, Inc. (UL) Classification, Classified as a sealant; see UL R13655

EVALUATION REPORTS

- ICC-ES ESR-1961

Contact your Dow sales representative or local authorities for state and local building code requirements and related acceptances.

PHYSICAL PROPERTIES

ENERFOAM™ Sealant is a polyurethane-based foam with a minimal-expansion formulation. It cures quickly and has a moisture-resistant skin. Foam elasticity allows for movement/ shifting within a structure.

ENERFOAM™ Sealant exhibits the typical physical properties indicated in Table 2 when tested as represented.

5 Installation

ENERFOAM™ Professional Foam Sealant is quick and easy to apply. Consult product can for detailed installation instructions. Surface where applied should be free of dust, dirt, oil or other loose materials that may impair adhesion. Damp surfaces will not impair the bond. ENERFOAM™ Series foam dispensing guns provide clean and precise dispensing with professional results.

Estimated Yields ⁽¹⁾ for ENERFOAM™ Professional Foam Sealant			
Can Size, oz	Delivery	Yield, linear feet	Estimated Caulk Equivalency, quart tubes
20	Reusable straw	646	15
20	Gun	839	119
26	Reusable straw	867	20
26	Gun	1,142	26

(1) Estimated yield under ideal conditions, 3/8" bead.

Foam Sealant

*Dependent upon temperature, relative humidity and size of foam bead

SAFETY AND CONDITIONS OF USE

- Read the label and Material Safety Data Sheet carefully before use.
- ENERFOAM™ Professional Foam Sealant contains isocyanate and a flammable blowing agent. Vapor may travel to other rooms. Ensure adequate ventilation. Shut off all pilot lights and extinguish open flames; eliminate all sources of ignition before use. Do not smoke or use lighters or matches while dispensing foam.
- Do not breathe vapor or mist. Use in well-ventilated areas or wear proper respiratory protection. Isocyanate is irritating to the eyes, skin and respiratory system, and may cause sensitization by inhalation or skin contact.
- ENERFOAM™ Professional Foam Sealant is very sticky and will adhere to most surfaces and skin. Do not get foam on skin. Wear gloves, and goggles or safety glasses. Cured foam must be mechanically removed or allowed to wear off in time.
- The contents are under pressure. The can may burst if left in areas susceptible to high temperatures, such as motor vehicles, or near radiators, stoves or other sources of heat. Do not place can in hot water. Do not puncture, incinerate or store at temperatures above 120°F.

For detailed installation instructions, contact a local Dow representative or access the literature library at www.dowbuildingsolutions.com.

6 Availability

ENERFOAM™ Professional Foam Sealant is distributed through an extensive network. For more information, call 1-877-280-0243.

7 Warranty

Not applicable.

8 Maintenance

ENERFOAM™ Professional Foam Sealant has a shelf life of one year when stored at 75°F. Contents of the can are under pressure. Do not place can in

hot water. Do not puncture, incinerate or store at temperatures above 120°F. Can may burst if left in areas susceptible to high temperatures, such as motor vehicles or near radiators, stoves or other sources of heat.

9 Technical Services

Dow can provide technical information to help address questions when using ENERFOAM™ Professional Foam Sealant. For technical assistance, call 1-877-280-0243.

10 Filing Systems

- www.cid.ca

TABLE 2

Typical Physical Properties ⁽¹⁾ of ENERFOAM™ Professional Foam Sealant	
Property and Test Method	Value
Flexural Strength, ASTM C203, parallel to rise, psi, min.	21.6
Apparent Initial k-factor (Thermal Resistance) per inch, ASTM C518 @ 75°F mean temp., Btu*in/ft ² *hr*°F, min.	0.234
Compressive Strength, ASTM D1621, parallel to rise, psi	11.9
Apparent Density, ASTM D1622, pcf	1.34
Water Absorption, ASTM D2842, % per volume	3.03
Dimensional Stability, ASTM D2126, % volume change 100°F/100%RH@1 wk -40°F/ambRH@1 wk	15.795 -0.039
Open Cell Content, ASTM D6226, %	<12.23
Tensile Strength, ASTM D1623 Parallel to rise, psi Elongation, %, "Test immed. after cut"	18.1 15.3

(1) Gun delivery, not to be considered sales specifications

ENERFOAM is manufactured by;

THE DOW CHEMICAL COMPANY

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www.dowbuildingsolutions.com

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COMBUSTIBLE: Protect from heat sources. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In ^m emergency, call 1-989-636-4400.

ENERFOAM™ Professional Foam Sealant contains isocyanate and a flammable blowing agent. Read the label and Material Safety Data Sheet carefully before use. Eliminate all sources of ignition before use. Wear gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

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Form No. 179-07377-0808P&M