



ENERFOAM™ Professional Foam Sealant

1. PRODUCT NAME

ENERFOAM™ Professional Foam Sealant

2. MANUFACTURER

The Dow Chemical Company
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Calgary, AB T2P 5H1
1-866-583-BLUE (2583) (English)
1-800-363-6210 (French)
www.dowbuildingsolutions.com

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.

ENERFOAM™ Professional Foam Sealant is also recognized as a fireblock, which means it resists the free passage of flames to other areas of the building through concealed spaces (US only).

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™ Professional Foam 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 in less than 20 minutes, trims within 30 minutes)

Sizes

ENERFOAM™ Professional Foam Sealant is available in 24 oz and 30 oz gun- and reusable straw-applied versions. See Table 1 for estimated yields. Contact your Dow sales representative with questions.

Accessories

PRO 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 tested to the following standard:

- ASTM E84 – Standard Test Method for Surface Burning Characteristics of Building Materials – ASTM E814 – Standard Test Method for Fire Tests of Through-Penetration Fire Stops

Code Compliance

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 (US)
- CCMC 13074-R (CAN)

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

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. PRO Series foam dispensing guns provide clean and precise dispensing with professional results.

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.

Table 1: Estimated yields⁽¹⁾ for ENERFOAM™ Professional Foam Sealant

Can Size, oz	Delivery	Yield, Linear Feet/Meters	Estimated Caulk Equivalency, Quart Tubes
24 (680g)	Reusable Straw	775 (236)	18
24 (680g)	Gun	970 (296)	22
30 (850g)	Gun	1450 (442)	33

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

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

- 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 long sleeves, 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 1-800-232-2436.

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:
1-866-583-BLUE (2583) (English)
1-800-363-6210 (French).

10. FILING SYSTEMS

- www.dowbuildingsolutions.com
- www.sweets.com

TABLE 2: Typical Physical properties of ENERFOAM™ Professional Foam Sealant

Property and Test Method	Value
Flexural Strength, ASTM C203, parallel to rise, psi, min.	8.8
Apparent Initial k-factor (Thermal Resistance) per inch, ASTM C518 @ 75°F mean temp., Btu•in/ft ² •hr•°F, min.	0.26
Compressive Strength, ASTM D1621, parallel to rise, psi	9.3
Core Density, ASTM D1622, pcf	1.01
Water Absorption, ASTM D2842, % per volume	6.4
Dimensional Stability, ASTM D2126, % volume change 100°F/100%RH@2wks -40°F/ambRH@2wks	14.31 0.41
Closed Cell Content, ASTM D2856, %	80
Tensile Strength, ASTM D1623 Parallel to rise, psi	14.4

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



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In Canada

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US

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Dow Polyurethane Foam Insulation and Sealants

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult (Material) Safety Data Sheet ((M)SDS) call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada. When air sealing buildings, ensure that combustion appliances, such as furnaces, water heaters, wood burning stoves, gas stoves and gas dryers are properly vented to the outside. See website: <http://www.epa.gov/iaq/homes/hip-ventilation.html>. In Canada visit: <http://archive.nrc-cnrc.gc.ca/eng/ibp/irc/bsi/83-house-ventilation.html>.

STYROFOAM™ Brand Spray Polyurethane Foam contains isocyanate, hydrofluorocarbon blowing agent and polyol. Read all the instructions and (M)SDS carefully before use. Wear protective clothing (including long sleeves), gloves, goggles and proper respiratory protection. Supplied air or an approved air-purifying respirator equipped with an organic vapor sorbent and a P100 particulate filter is required to maintain exposure levels below ACGIH, OSHA, WEEL or other applicable limits. Provide adequate ventilation. Contents under pressure. STYROFOAM™ Brand SPF should be installed by a trained SPF applicator.

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.