PRODUCT NAME
ENERFOAM™ Professional Foam Adhesive & Sealant®

MANUFACTURER
The Dow Chemical Company
Dow Building Solutions
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1-866-583-BLUE (2583)
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PRODUCT DESCRIPTION
ENERFOAM™ Professional Foam Adhesive & Sealant is a one-component, minimal-expanding, flexible polyurethane foam used for adhering insulated concrete forms, architectural foam and drywall. It also can be used for 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 Adhesive & Sealant is designed to form a strong, 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 Adhesive & Sealant:
• expands to take the shape of cracks and voids, forming an airtight barrier
• can reduce drywall nail pops
• installs in minutes (tack-free within 6 minutes, trims within 1 hour**)

SIZES
ENERFOAM™ Professional Foam Adhesive & 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 from Dow 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.

TECHNICAL DATA
APPLICABLE STANDARDS
ENERFOAM™ Professional Foam Adhesive & Sealant meets the following standard:
• ASTM D6464 – Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing

CODE COMPLIANCES
ENERFOAM™ Professional Foam Adhesive & Sealant complies with:
• Underwriters Laboratories, Inc. (UL) Classification, see UL R13655
• ICC-ES ESR-1961

EVALUATION REPORTS
• Code-approved fireblock for Type V residential construction

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

PHYSICAL PROPERTIES
ENERFOAM™ Professional Foam Adhesive & 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™ Professional Foam Adhesive & Sealant exhibits the typical physical properties indicated in Table 2 when tested as represented.

INSTALLATION
ENERFOAM™ Professional Foam Adhesive & 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.

| Table 1: Estimated Yields(1) for ENERFOAM™ Professional Foam Adhesive & Sealant |
|---------------------------------|-------------------|------------------|------------------|
| Can Size, oz | Delivery | Yield, linear feet(2) | Estimated Caulk Equivalency, quart tubes(2) |
| 24 | Reusable Straw | 775 | 18 |
| 24 | Gun | 970 | 22 |
| 30 | Reusable Straw | 965 | 22 |
| 30 | Gun | 1450 | 33 |

(1) 3/8” bead diameter
(2) Theoretical yield at 1/4” bead diameter

| Table 2: Typical Physical Properties(1) of ENERFOAM™ Professional Foam Adhesive & Sealant |
|---------------------------------|-------------------|------------------|
| Property and Test Method | Value |
| Flexural Strength, ASTM C203, parallel to rise, psi | 8.8 |
| Apparent Initial k-factor (Thermal Resistance) per inch, ASTM C518 @ 75°F mean temp., Btu•in/ft²•hr•°F | 0.26 |
| Compressive Strength, ASTM D1621, parallel to rise, psi | 9.3 |
| Apparent Density, ASTM D1622,pcf | 1.01 |
| Water Absorption, ASTM D2842, % volume | 3.03 |
| Dimensional Stability, ASTM D2126, % volume change 100°F/100%RH@1wk -40°F/ambRH@1wk | 14.71 |
| Open Cell Content, ASTM D2856, % | 20 |

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

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*Not to be sold in VOC regulated areas where this product exceeds the maximum VOC limits.

**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 Adhesive & 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 Adhesive & 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. Do not puncture, incinerate or store at temperatures above 120°F.

**WARRANTY**

Not applicable.

**MAINTENANCE**

**ENERFOAM™** Professional Foam Adhesive & Sealant has a shelf life of one year when stored at 75°F. Contents of the can are under pressure. 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.

**TECHNICAL SERVICES**

Dow can provide technical information to help address questions when using **ENERFOAM™** Professional Foam Adhesive & Sealant. For technical assistance, call 1-866-583-BLUE (2583).

**FILING SYSTEMS**

- www.dowbuildingsolutions.com
- www.sprayfoamatdow.com

**REINFORCED ADHESIVE & SEALANT**

**ENERFOAM™** Professional Foam Adhesive & Sealant contains isocyanate and a flammable blowing agent. Read the labels and Material Safety Data Sheets carefully before use. Eliminate all sources of ignition before use. Wear long sleeves, gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. Do not expose to temperatures above 240°F. **ENERFOAM™** foam should not be used around heaters, furnaces, fireplaces, recessed lighting fixtures or other applications where the foam may come in contact with heat-conducting surfaces. For proper ventilation of combustion appliances, visit www.epa.gov/iaq/homes/hip-ventilation.html.

**Availability**

**ENERFOAM™** Professional Foam Adhesive & Sealant is distributed through an extensive network. For more information, call 1-800-232-2436.

**Not Applicable.**

**Maintenance**

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