ENERFOAM™ Professional Foam Sealant

1. PRODUCT NAME
ENERFOAM™ Professional Foam Sealant

2. MANUFACTURER
The Dow Chemical Company
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Dow Chemical Canada ULC
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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.

4. TECHNICAL DATA

4.1. Applicable Standards
ENERFOAM™ Professional Foam Sealant tested to the following standard:

4.2. Code Compliance
ENERFOAM™ Sealant complies with the following code:
• Underwriters Laboratories, Inc. (UL) Classification, Classified as a sealant; see UL R13655

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.

6. TECHNICAL DATA

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

<table>
<thead>
<tr>
<th>Can Size, oz</th>
<th>Delivery</th>
<th>Yield, Linear Feet/Meters</th>
<th>Estimated Caulk Equivalency, Quarts Tubes</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 (680g)</td>
<td>Reusable Straw</td>
<td>775 (236)</td>
<td>18</td>
</tr>
<tr>
<td>24 (680g)</td>
<td>Gun</td>
<td>970 (296)</td>
<td>22</td>
</tr>
<tr>
<td>30 (850g)</td>
<td>Gun</td>
<td>1450 (442)</td>
<td>33</td>
</tr>
</tbody>
</table>

*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.

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

<table>
<thead>
<tr>
<th>Property and Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural Strength, ASTM C203, parallel to rise, psi, min.</td>
<td>8.8</td>
</tr>
<tr>
<td>Apparent Initial k-factor (Thermal Resistance) per inch, ASTM C518 @ 75°F mean temp., Blt+in/ft2+hr+°F, min.</td>
<td>0.26</td>
</tr>
<tr>
<td>Compressive Strength, ASTM D1621, parallel to rise, psi</td>
<td>9.3</td>
</tr>
<tr>
<td>Core Density, ASTM D1622,pcf</td>
<td>1.01</td>
</tr>
<tr>
<td>Water Absorption, ASTM D2842, % per volume</td>
<td>6.4</td>
</tr>
<tr>
<td>Dimensional Stability, ASTM D2126, % volume change 100°F/100%RH@2wks</td>
<td>14.31</td>
</tr>
<tr>
<td></td>
<td>0.41</td>
</tr>
<tr>
<td>Closed Cell Content, ASTM D2856, %</td>
<td>80</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D1623, Parallel to rise, psi</td>
<td>14.4</td>
</tr>
</tbody>
</table>

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

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

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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 (MSDS) call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-888-636-4400 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 MSDS 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.

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