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GREAT STUFF PRO™ GAPS & CRACKS INSULATING FOAM SEALANT

1. PRODUCT NAME

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant

2. MANUFACTURER

The Dow Chemical Company
 Dow Building Solutions
 200 Larkin
 Midland, MI 48674
 1-866-583-BLUE (2583)
 Fax 1-989-832-1465
 www.dowbuildingsolutions.com

3. PRODUCT DESCRIPTION

Easily identified by its bright orange color, GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant is a minimal-expanding, single-component polyurethane foam sealant for general purpose building envelope air sealing. It has led the way in the industry by being the first foam sealant to be recognized as a fireblock, which means it resists the free passage of flames to other areas of the building through concealed spaces.

BASIC USE

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant fills and seals gaps up to 3".*

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant:

- expands to take the shape of cracks and voids, forming an airtight and water-resistant bond to wood, metal, masonry, glass and most plastics
- reduces pathways where insects can enter
- installs in minutes (tack-free in less than 20 minutes, trims within 30 minutes)

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant is both cost-effective and effective as an air sealant.

SIZES

GREAT STUFF PRO™ Gaps & Cracks Insulating 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

Using one of several PRO Series foam dispensing guns simplifies the application of GREAT STUFF PRO™ Gaps & Cracks. In addition to enabling pinpoint application control, an airtight and moisture-tight seal between the gun and the can prevents the foam from curing and blocking the dispensing valve, allowing a can to be reused up to one month later.

GREAT STUFF PRO™ Gun Cleaner is a proprietary solution to simplify cleanup of uncured polyurethane foam from dispensing guns and work areas. Cured foam must be mechanically removed or allowed to wear off in time.

4. TECHNICAL DATA

APPLICABLE STANDARDS

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant meets the following standards:

- 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 COMPLIANCES

GREAT STUFF PRO™ Gaps & Cracks complies with 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

GREAT STUFF PRO™ Gaps & Cracks 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.

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant exhibits the typical properties indicated in Table 2 when tested as represented.

5. INSTALLATION

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant is easy to use. Complete installation instructions are provided on each can. Surface where applied should be free of dust and dirt. Damp surfaces will not impair the bond. PRO Series foam dispensing guns provide clean and precise dispensing with professional results.

TABLE 1: ESTIMATED YIELDS FOR GREAT STUFF PRO™ GAPS & CRACKS INSULATING FOAM SEALANT

CAN SIZE, OZ (G)	DELIVERY	YIELD, ⁽¹⁾ LINEAR FEET (M)	ESTIMATED CAULK EQUIVALENCY, QUART TUBES
24 (680)	Reusable Straw	775 (236)	18
24 (680)	Gun	970 (296)	22
30 (850)	Reusable Straw	995 (294)	22
30 (850)	Gun	1450 (442)	33

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

SAFETY AND CONDITIONS OF USE

- Read the label and Material Safety Data Sheet carefully before use.
- GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant contains isocyanate and a flammable blowing agent. Vapors may travel to other rooms. Ensure adequate ventilation and shut off all pilot lights and open flames; eliminate all sources of ignition before use. Do not smoke or use lighters or matches while dispensing foam.
- Do not breathe vapors or mists. 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.
- GREAT STUFF PRO™ Gaps & Cracks 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.

TABLE 2: TYPICAL PHYSICAL PROPERTIES OF GREAT STUFF PRO™ GAPS & CRACKS INSULATING FOAM SEALANT

PROPERTY AND TEST METHOD	VALUE
Flexural Strength, ASTM C203, Parallel to rise, psi, min.	8.8
K-factor (Thermal Resistance) per inch ASTM C518 @75°F mean temp., Btu•in/ft2•hr•°F, min.	0.26
Compressive Strength, ASTM D1621, Parallel to rise, psi	9.3
Apparent Core Density, ASTM D1622, pcf	1.01
Dimensional Stability, ASTM D2126, % Volume Change 100°F/100%RH@1wk	14.31
-40°F/ambRH@1wk	0.41
Closed Cell Content, ASTM D2856, %	80
Tensile Strength, ASTM D1623 Parallel to rise, psi	14.4

(1) Not to be considered sales specifications

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

6. AVAILABILITY

GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant is distributed through an extensive network. For more information, call 1-800-232-2436.

7. WARRANTY

Not applicable.

8. MAINTENANCE

GREAT STUFF PRO™ Gaps & Cracks has a shelf life of 12 months when stored at 75°F. Contents of the can are under pressure. 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.

9. TECHNICAL SERVICES

Dow can provide technical information to help address questions when using GREAT STUFF PRO™ Gaps & Cracks Insulating Foam Sealant. For technical assistance, call 1-866-583-BLUE (2583).

10. FILING SYSTEMS

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

www.dowbuildingsolutions.com

Technical Information
1-866-583-BLUE (2583)
Sales Information
1-800-232-2436

IN THE U.S.
THE DOW CHEMICAL COMPANY
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Midland, MI 48674

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CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult MSDS, 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.

GREAT STUFF™ products contain 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 safety glasses or goggles. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

GREAT STUFF PRO™ Gun Cleaner is flammable and contains acetone and propane. 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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