



Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant

For General Purpose Building Envelope Air Sealing

FEATURES/BENEFITS

Description

Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant* is a minimal expanding, single component polyurethane foam sealant for general purpose building envelope air sealing. It is both cost effective and effective as an air sealant.

In the United States, the sealant is easily identified by its bright orange color. It has led the way in the industry by being recognized as a fireblock, which means it resists the free passage of flames to other areas of the building through concealed spaces.

Ease of Use

Great Stuff Pro™ Gaps & Cracks fills and seals gaps up to 3" (75 mm).** Great Stuff Pro™ Gaps & Cracks:

- 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 5-10 minutes***, trims within 60 minutes)
- Features adjustable bead size and 30 day restartability

Great Stuff Pro™ Gaps & Cracks is available in 24 oz (680 g) and 30 oz (850 g) gun- and reusable straw-applied versions. Pro Series foam dispensing guns provide clean and precise dispensing with professional results.

PROPERTIES

Read all instructions and (Material) Safety Data Sheet ((M)SDS) before use.

TABLE 1: Typical Physical Properties¹ of Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant

Test Method	Property	Typical Value	Units
ASTM C203	Flexural Strength, parallel to rise	8.8 (60.7)	psi (kPa), min.
ASTM C518 @75°F (24°C) mean temp.	K-factor (Thermal Resistance) per inch (25mm)	0.26 (0.037)	Btu·in/ft ² ·hr·°F (W/m ² ·°C), min.
ASTM D1621	Compressive Strength, parallel to rise	9.3 (64.1)	psi (kPa)
ASTM D1622	Apparent Core Density	1.01 (16)	pcf (kg/m ³)
ASTM D2126	Dimensional Stability, % volume change	100°F/100%RH@2wks	14.31
		-40°F/ambRH@2wks	0.41
ASTM D2856	Closed Cell Content	80	%
ASTM D1623	Tensile Strength, parallel to rise	14.4 (99.3)	psi (kPa)

¹ Not to be considered sales specifications

* Great Stuff Pro™ Gaps & Cracks is a former product of The Dow Chemical Company

** For cavities, cracks and penetrations larger than 3" (75 mm), DuPont recommends FROTH-PAK™ Foam Sealant or FROTH-PAK™ Foam Insulation (US only). For window and door framework, minimal-expanding Great Stuff Pro™ Window & Door Polyurethane Foam Sealant is proven not to distort or bow the framework, when properly applied.

*** 70 ± 5 °F and 50 ± 5 %RH, , 1 inch bead diameter, 6 inch length. Cure rate is dependent on temperature, humidity, and size of foam bead

INSTALLATION

Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant is easy to use. Complete installation instructions are provided on each can.

Application

Great Stuff Pro™ Gaps & Cracks should be applied at temperatures between 40°F and 100°F (4°C and 38°C) at relative humidity > 20 percent. Surface where applied should be free of dust, grease, oil, wax and release agents. Damp surfaces will not impair the bond.

Curing

Cures quickly. Cured foam must be mechanically removed or allowed to wear off in time.

Equipment

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.

TESTING

Applicable Standards

Great Stuff Pro™ Gaps & Cracks meets the following standards:

- **ASTM E84** – Standard Test Method for Surface Burning Characteristics of Building Materials
- **ASTM E814 (modified)** – Standard Test Method for Fire Tests of Through Penetration Fire Stops
- **CAN/ULC S102** – Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

Notice

Great Stuff Pro™ Gaps & Cracks complies with Underwriters Laboratories, Inc. (UL) Classification, Classified as a sealant: see UL R13655.

Great Stuff Pro™ Gaps & Cracks complies with the following evaluation reports:

- ICC-ES ESR-1961 (US only)
- CCMC R13074 (CAN only)

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

HANDLING

WARNING: For Professional Use Only. Read and follow the entire Safety, Handling, and Storage section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of **Great Stuff Pro™** products. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements

- **Great Stuff Pro™ Gaps & Cracks Polyurethane 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 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.
- **Great Stuff Pro™ Gaps & Cracks** is very sticky and will adhere to most surfaces and skin. Do not get foam on skin. Cover all skin, wear long sleeves, gloves, and goggles or safety glasses.
- The contents are under pressure. Not to be used for filling closed cavities or voids such as behind walls and under tub surrounds. 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 (49°C).
- **Great Stuff Pro™ Gaps & Cracks** 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. **Great Stuff Pro™ Gaps & Cracks** is 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).

Clean Up and Purge

Great Stuff Pro™ Foam Cleaner is a 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.

Shelf Life and Storage

Great Stuff Pro™ Gaps & Cracks has a shelf life of 12 months when stored at 75°F (24°C). 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 (49°C)

Disposal

Dispose of any residual **Great Stuff Pro™** product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.



**For more information visit us at
greatstuffpro.com/gapsandcracks
or call 1-866-583-2583**

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DuPont 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 DuPont at 1-866-583-2583 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 Pro™ Polyurethane Foam Sealant contains isocyanate and a flammable blowing agent. Read all instructions and (Material) Safety Data Sheet ((M)SDS), carefully before use. Eliminate all sources of ignition before use. Cover all skin. Wear long sleeves, gloves, and safety glasses or goggles. Not for use in aviation, or food/beverage contact, or as structural support in marine applications. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. Not to be used for filling closed cavities or voids such as behind walls and under tub surrounds; this improper use of the product could result in the accumulation of flammable vapors and/or uncured material. Failure to follow the warnings and instructions provided with the product, and/or all applicable rules and regulations, can result in injury or death.

Great Stuff Pro™ Foam Cleaner is flammable and contains acetone and propane. Read all instructions and (Material) Safety Data Sheet ((M)SDS) carefully before use. Eliminate all sources of ignition before use. Cover all skin. 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 DuPont can give assurance that mold will not develop in any specific system.

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