Product Information Sheet

Great Stuff Pro™ Gaps & Cracks Insulating Foam Sealant

For General Purpose Building Envelope Air Sealing

FEATURES/BENEFITS

Description

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

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 through concealed spaces.

Not for fireproofing or firestopping. Fireblock is not a firestop or fireproofing solution.

Ease of Use

Great Stuff Pro™ Gaps & Cracks fills and seals gaps up to 3" (76mm)**:

- Expands to take the shape of cracks and gaps, forming an airtight and water resistant bond to wood, metal, masonry, glass and most plastics
- Reduces pathways where insects can enter
- Tack-free in 3-10 minutes; trimmable in one hour**
- Reusable for 30 days when left attached to **Great Stuff Pro™ Dispensing Gun**

Great Stuff Pro™ Gaps & Cracks is also available in 30oz gun, and 24oz reusable straw. Get precise application and control when pairing Great Stuff Pro™ spray foam with the **Great Stuff Pro™** foam dispensing guns.

PROPERTIES

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

TABLE 1: US Typical Physical Properties[1] of Great Stuff Pro™ Gaps & Cracks Insulating 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/ft²•hr•°F (W/m•°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/m³)
ASTM D2126	Dimensional Stability, % volume change 100°F/100%RH@2wks -40°F/ambRH@2wks	 14.31 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

* Skin of cured foam can discolor if exposed to natural light. Paint or coat foam for the best results.

**70 ± 5°F and 50 ± 5 % RH, 1-inch bead diameter, 6-inch length. The cure rate is dependent on temperature, humidity, and size of the foam bead.
For gaps up to 3"": wiring & plumbing penetrations, HVAC Ductwork, Basement crawlspaces, Sill plates, Attic Hatch, and More. For gaps up to 1"": Indoor/Outdoor Air Sealing
When used for the purpose of creating a continuous air barrier system (2020 NBC Section 9.36.2.10), maximum bead width of 25 mm (1""). Consult local building codes. For sealant use only.

TABLE 2: Canadian Typical Physical Properties – Great Stuff Pro™ Gaps & Cracks Insulating Foam Sealant

Standard Method	Testing	Min	Max	Unit
ASTM D6226-15 Standard Test Method for Open-Cell Content of Rigid Cellular Plastics	Open Cell	—	report value	%
ASTM D1622/D1622M-14 Standard Test Method for Apparent Density of Rigid Cellular Plastics	Density	8	—	kg/m3
ASTM D2126-15 Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging	Dimensional Stability -20° C, ambient RH 70° C, 97% +/- 3% RH	—	+/- 5 +/- 15	ol change
per Annex A of S710.1-19 Durability Performance, Air Permeance per 1m length after aging at 75 Pa pressure difference	Durability Performance	—	0.05	L/(s*m)
ASTM D1623-17 Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics	Elongation at break Tensile Strength	5.0 25	— —	% kPa
CAN/ULC-S102-10, Standard Test Method of Test for Surface Burning Characteristics of Building Materials and Assemblies	Characteristics, Flame Spread Rating Class 1	—	500	FSI
per 9.8/10.7 of S710-19 Tack Free Time at 23° C, 50% RH	Tack Free	—	20	min
CAN/ULC-S774-09 Standard Laboratory Guide for the Determination of Volatile Organic Compound Emissions from Polyurethane Foam	Time to Occupancy	1	30	days

INSTALLATION

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

Application

For best results, **Great Stuff Pro™ Gaps & Cracks** should be applied when product temperature ranges from 60-90°F (15-32°C). The can should not be exposed to temperatures more than 120°F. Cured foam should not be exposed to temperatures in excess of 240°F.

Curing

Any uncured product that gets on the skin or solid surface can be removed with acetone. 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
- **CAN/ULC S710.1-2019** – Standard for Thermal Insulation Bead Applied One Component Polyurethane Air Sealant Foam

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 13074-L (Canada)

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

HANDLING

WARNING: 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 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 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.
- If on skin cured foam must be mechanically removed or allowed to wear off in time.
- 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™ 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 18 months for straw 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™** products, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.

For more information visit us at: greatstuff.com or call 1-866-583-2583

NOTICE: No freedom from any patent owned by DuPont or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where DuPont is represented. The claims made may not have been approved for use in all countries or regions. DuPont assumes no obligation or liability for the information in this document. References to "DuPont" or the "Company" mean the DuPont legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DUPONT. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. The buyer assumes all risks as to the use of the material. Buyer's exclusive remedy or any claim (including without limitations, negligence, strict liability, or tort) shall be limited to the refund of the purchase price of the material. Failure to strictly adhere to any recommended procedures shall release DuPont Specialty Products USA, LLC or its affiliates, of all liability with respect to the materials or the use thereof. The information herein is not intended for use by non-professional designers, applicators or other persons who do not purchase or utilize this product in the normal course of their business.

CAUTION: This product contains isocyanate and a flammable blowing agent. Read all instructions and Safety Data Sheet (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, vehicle interior or under hood, 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. 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 240ºF (116ºC). For more information, consult Safety Data Sheet (SDS), call DuPont at 1-866-583-2583 or contact your local building inspector. In case of spill, contact Chemtrec (CCN 7442): 1-800-424-9300.

DANGER: Great Stuff Pro™ Foam Cleaner is EXTREMELY 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. 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.

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