



Great Stuff™ Big Gap Filler Insulating Foam Sealant

Fill, seal, and insulate gaps up to 3" (76mm)**

FEATURES/BENEFITS

Description

Great Stuff™ Big Gap Filler is an insulating foam that fills, seals and insulates gaps up to 25mm in Canada, US approved up to 3" (76mm)**. This ready-to-use, foam sealant is specially formulated to take on common areas of energy loss such as rim joists/sill plates, plumbing, HVAC, and other larger penetrations.

Ease of Use

Great Stuff™ Big Gap Filler:

- 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
- Installs in minutes (tack-free in 5-10 minutes, trims within 60 minutes)

Great Stuff™ Big Gap Filler is available in 12 oz sizes with a standard straw dispenser or the patented Smart Dispenser™ versions. The Smart Dispenser™ provides greater precision, control, and reusability for up to 30 days.

PROPERTIES

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

TABLE 1: US Typical Physical Properties¹ of Great Stuff™ Big Gap Filler 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/ft ² ·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/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

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

** 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™ Big Gap Filler 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™ Big Gap Filler Insulating Foam Sealant is easy to use. Complete installation instructions are provided on each can.

Application

For best results, Great Stuff™ Big Gap Filler 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.

SHAKE can vigorously for a minimum 60 seconds. Firmly screw dispenser onto valve and dispense SLOWLY. Fill gaps <50%. If product does not flow easily, do not force product from can. Mist water to speed cure. Great Stuff™ Insulating Foam Sealants

are not to be used for filling closed cavities or voids and are not for use in aviation, food/beverage contact, or as structural support in marine applications.

Curing

Cures quickly. Any uncured product that gets on the skin or solid surface can be removed with acetone. Cured foam must be mechanically removed or allowed to wear off in time.

TESTING

Applicable Standards

Great Stuff™ Big Gap Filler 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™ Big Gap Filler complies with Underwriters Laboratories, Inc. (UL) Classification, Classified as a sealant: see UL R13655.

Great Stuff™ Big Gap Filler 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™ products**. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements

- **Great Stuff™ Big Gap Filler** 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™ Big Gap Filler** 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™ Big Gap Filler** 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™ Big Gap Filler** 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™ Big Gap Filler has a shelf life of 18 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™** 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**

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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 240°F (116°C). 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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