



Great Stuff Pro™ Window & Door Polyurethane Foam Sealant

Creates an Airtight Seal for Windows & Doors

FEATURES/BENEFITS

Description

Great Stuff Pro™ Window & Door Polyurethane Foam Sealant* is a one component, minimal expanding, low pressure-build,** flexible polyurethane foam exclusively formulated to air seal the gap around a window or door frame and the rough opening. The foam expands to generate an effective seal, and when applied properly is proven not to distort or bow window and door frames.

Ease of Use

Great Stuff Pro™ Window & Door is designed to form a durable, airtight, water-resistant bond to vinyl, wood and metal surfaces.

Its foam skin repels and deflects water, which can help reduce the potential for moisture damage in frame openings.

Great Stuff Pro™ Window & Door:

- Expands to take the shape of cracks and gaps, helping stop drafts
- Reduces pathways where insects can enter
- Becomes tack free in 3-10 min., trims within 60 minutes, fully cured in 8 hours***
- Features adjustable bead size and 30 day restartability

PROPERTIES

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

TABLE 1: Sizes and Estimated Yields for Great Stuff Pro™ Window & Door Polyurethane Foam Sealant

Can Size, oz	Delivery	No. of Windows ¹
20	Gun	16 -18

¹ Estimated yield under ideal conditions for 36" x 60" window, 3/8" wide gap, 1" deep, 3/8" bead

TABLE 2: Great Stuff Pro™ Window & Door Polyurethane Foam Sealant Approvals/Classifications

Standard	Result
AAMA 812-04	Conforms to standard at 0.13 psi; 0.90 kPa (average) pressure-build (gun-applied foam)
UL Classified	Classified per UL 723 as under UL File R13655
ICC-ES ESR-1961	Evaluated as an insulating sealant

TABLE 3: Physical Properties¹ of Great Stuff Pro™ Window & Door Polyurethane Foam Sealant

Test Method	Property	Typical Value	Units
ASTM D1621	Compressive Strength, parallel to rise	3.0 (20.68)	psi (kPa)
ASTM D1622	Apparent Density	1.29 (20.66)	pcf (kg/m ³)
ASTM D2126	Dimensional Stability, % Volume Change at 2 weeks	70°C/100	- 3.346
		70°C/Ambient	3.131
		-40°C/Ambient	2.951
ASTM D6226	Open Cell Content	<75%	%
ASTM D1623	Tensile Strength, parallel to rise	9.5 psi = 65.6 kPa (Type B) 5.5 psi = 37.9 kPa (Type C)	psi (kPa)
ASTM D1623	Elongation	18.9% (Type B) 16.7% (Type C)	%
ASTM C273	Shear Strength	7.3 (50.1)	psi (kPa)
UL723 (ASTM E84) ³	Flame Spread/Smoke Developed ²	10/20	-

¹ Not to be considered sales specifications

² This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

³ Tested as applied in three - 3/4 inch (19 mm) diameter beads 5 inches (127 mm) on center covering 12.5% of the exposed test sample area

* Great Stuff Pro™ Window & Door Polyurethane Foam Sealant is a former product of The Dow Chemical Company

** Per AAMA 812-04; refers to pressure development while foam cures.

*** 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

Application

Great Stuff Pro™ Window & Door Polyurethane Foam Sealant 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

Fully cures in 8 hours. Foam must be exposed to atmospheric moisture to thoroughly cure. Cured foam must be mechanically removed or allowed to wear off in time.

Equipment

Using one of several Pro Series foam dispensing guns enables pinpoint application control and no drip dispensing. An air tight and moisture-tight seal between the dispensing gun and the can prevents the foam from curing and blocking the dispensing valve, allowing the can to be reused. **Great Stuff Pro™ Foam Cleaner** simplifies cleanup of uncured polyurethane foam from dispensing guns.

TESTING

Applicable Standards

Great Stuff Pro™ Window & Door conforms to **ASTM E2112** – Standard Practice for Installation of Exterior Windows, Doors and Skylights. It has also been tested to the following standards using a 1 cm wide gap assembly:

- **UL723 (ASTM E84)** – Standard Test Method for Surface Burning Characteristics of Building Materials
- **ASTM E283** – Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen
- **ASTM E331** – Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference

- **ASTM C1620** – Standard Specification for Aerosol Polyurethane and Aerosol Latex Foam Sealants
- **ASTM E2178** (modified per CAN/ULC – S710 testing requirements) – Standard Test Method for Air Permeance of Building Materials

For more information on standards/test approvals and classifications, see Table 2.

Notice

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™ Polyurethane Foam Sealants** contain 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.
- 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™ Window & Door** 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.
- 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 water.
- Do not puncture, incinerate or store at temperatures above 120°F (49°C).

Cured **Great Stuff Pro™ Window & Door** 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). **Great Stuff Pro™ Window & Door** 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. For proper ventilation of combustion appliances, visit www.epa.gov/iaq/homes/hipventilation.html.

Do not inject **Great Stuff Pro™ Window & Door** into large or confined cavities such as behind holes in drywall or under tub wall surrounds where flammable vapors may collect.

Shelf Life and Storage

Great Stuff Pro™ Window & Door has a shelf life of 18 months when stored at 75°F (24°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
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 call the DuPont Contact Center at 866-583-2583 or contact your local building inspector. For emergencies contact Chemtrec 800-424-9300, CCN (Contract Number) 7442.

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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