Product Information Sheet

Great Stuff Pro™ Window & Door Insulating Foam Sealant

Creates an Airtight Seal for Windows & Doors

FEATURES/BENEFITS

Description

Great Stuff Pro™ Window & Door Insulating Foam Sealant* is a one component, minimal expanding, low pressure-build,** flexible Insulating 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 and contracts to allow for various weather conditions.
- Reusable for 30 days when left attached to Great Stuff Pro™ Dispensing Gun
- Bonds to vinyl, wood and metal frames
- Yellow-colored foam for high visibility

PROPERTIES

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

TABLE 1: Sizes and Estimated Yields for Great Stuff Pro™ Window & Door Insulating 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 and Door Insulating Foam Sealant Approvals/Classifications/Evaluations

Standard	Result
AAMA 812-19	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
CCMC 13074-L	Evaluated as air sealant foam

TABLE 3: US Physical Properties[1] of Great Stuff Pro™ Window & Door Insulating 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/m³)
ASTM D2126	Dimensional Stability, % Volume Change at 2 weeks 70°C/100 70°C/Ambient -40°C/Ambient	 – 3.346 3.131 2.951	%RH
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]	10/35	–

[1] This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
[2] 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.
[3] Tested as applied in two 1 in. diamtere beads 8 in. on center covering 11.1 percent of the exposed test sample area.
* 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.
** Per AAMA 812-19; refers to pressure development while foam cures.

TABLE 4: Canadian Typical Physical Properties – Great Stuff Pro™ Window & Door 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

Application

For best results if used 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

Fully cures in 8 hours. Foam must be exposed to atmospheric moisture to thoroughly cure. 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.

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 Insulating 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:

- **ASTM E84/UL723 (S102)** – 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 Insulating and Aerosol Latex Foam Sealants

For more information on standards/test approvals/evaluations 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: 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™ Insulating 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.
- If on skin 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 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 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 (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, 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 (Material) Safety Data Sheet ((M)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™ 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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