



INSTALLATION RECOMMENDATIONS FOR GREAT STUFF PRO™ WINDOW & DOOR INSULATING FOAM SEALANT

GREAT STUFF PRO™ Window & Door Insulating Foam Sealant air seals the gap around an installed window or door frame and the rough opening. The product also reduces the amount of moisture intrusion through fenestration openings, which can help prevent moisture damage and wood rot. This flexible polyurethane foam expands only enough to generate an effective seal, and is proven to not distort or bow window and door frames when properly applied.

To determine the amount of GREAT STUFF PRO™ Window & Door required for an application, see Table 1.

SAFETY AND CONDITIONS OF USE

- Read the label and Material Safety Data Sheet carefully before use.
- 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™ foam 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. 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 hot water. Do not puncture, incinerate or store at temperatures above 120°F (49°C).
- Cured GREAT STUFF PRO™ foam 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™ foam 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/hip-ventilation.html.
 - Do not inject GREAT STUFF PRO™ foam into large or confined cavities such as behind holes in drywall or under tub wall surrounds where flammable vapors may collect. Foam must be exposed to atmospheric moisture to thoroughly cure.

PREPARATION

1. GREAT STUFF PRO™ Window & Door may be used on vinyl, wood, composite and metal (aluminum or steel) surfaces. The product adheres best when surfaces are clean and free of oil or chemicals.
2. GREAT STUFF PRO™ Window & Door should be applied at temperatures between 40°F and 100°F (4°C and 38°C) at relative humidity ≥20%.
3. Skin of cured foam can discolor if exposed to direct and continuous sunlight for 24 hours or more. Foam should be painted or coated if prolonged exposure to sunlight is expected.
4. Using one of the PRO Series foam dispensing guns simplifies the application of GREAT STUFF PRO™ Window & Door. 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.

5. Shake can vigorously for 1 minute before dispensing and between uses. Shaker ball must tap. To free shaker ball, rap can firmly against base of hand.
6. Invert can and screw foam dispensing gun (or threaded end of straw assembly firmly) onto valve as shown in Figure 1. Screw until finger-tight; do not overtighten or cross-thread. (When changing cans using the foam dispensing gun, tighten the flow control knob before removing the empty can [Figure 2]. Use GREAT STUFF PRO™ Gun Cleaner to remove any residual foam from the attachment area before attaching fresh can.)
7. Dispense foam for 3-6 seconds to purge air from gun or straw.

FIGURE 1



FIGURE 2

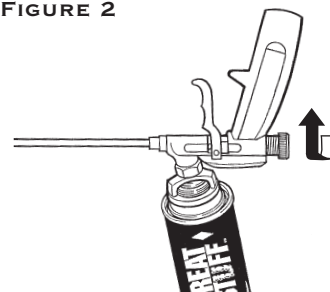


FIGURE 3

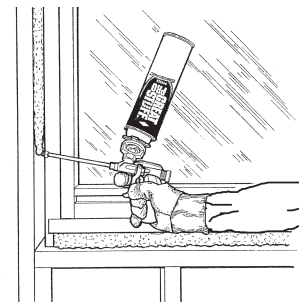


TABLE 1: ESTIMATED YIELDS FOR GREAT STUFF PRO™ WINDOW & DOOR INSULATING FOAM SEALANT

CAN SIZE, OZ (G)	DELIVERY	NO. OF WINDOWS ⁽¹⁾
20 (567)	Straw	6-9
20 (567)	Gun	8-11

(1) Average-sized windows (36" x 60" [1 m x 1.5 m], gap 3/8" [10 mm] wide and 1" [25 mm] deep, 3/8" bead).

APPLICATION

1. Keeping can inverted, insert applicator nozzle into the space between the window or door and the rough opening and begin applying foam in a continuous bead (Figure 3). Fill openings less than 50 percent full to allow room for expansion. Do not overfill gap. GREAT STUFF PRO™ Window & Door should be applied around all four sides of a window opening, and top and sides of a door opening. Diameter of foam bead should not exceed 3" (8 cm).
2. The foam dispensing gun can dispense a foam bead from 1/8" to 3" (0.3 cm to 8 cm). This is achieved by squeezing the trigger or by adjusting the flow control knob to set how far the trigger can be pulled (Figure 4). If using a straw dispenser, the force exerted on the button controls the size of the foam bead.
3. If gap is overfilled, trim away excess foam with a sharp knife (Figure 5). Foam will be tack-free in 5-10 minutes and can be trimmed within 1 hour. It is fully cured 12 hours after application.* If product remains in the can, the gun may be left attached for up to 30 days. Always close the flow control knob to prevent air from entering the gun when not in use.
4. Clean foam dispensing gun periodically by rubbing the end on soft wood to free it from foam. Do not use a sharp object to clean gun. Use GREAT STUFF PRO™ Gun Cleaner between extended periods of non-use.

*Dependent upon temperature, relative humidity and size of foam bead

CLEANUP

- On solid surfaces, uncured foam can be dissolved with GREAT STUFF PRO™ Gun Cleaner.
- For skin and other surfaces, cured foam must be mechanically removed or allowed to wear off in time.
- To clean foam dispensing gun, install a can of GREAT STUFF PRO™ Gun Cleaner to the foam dispensing gun and spray until all foam is blown out of the gun and only cleaner is visible (approximately half the can of cleaner will be used). Allow the gun containing the solvent to sit for several minutes and repeat with a second flush.
- Do not leave a can of cleaner mounted on the foam dispensing gun. This will dissolve the lip seals inside the gun and render it useless. Foam escaping at the handle or trigger indicates a faulty seal. If this happens, the gun should be replaced.

SAFETY AND CONDITIONS OF USE

- Read the label and Material Safety Data Sheet carefully before use.
- GREAT STUFF PRO™ Gun Cleaner is flammable and contains acetone and propane. 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. Provide adequate ventilation or wear proper respiratory protection.
- Wear gloves, and goggles or safety glasses.
- The contents are under pressure.

FIGURE 4

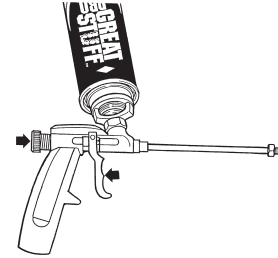
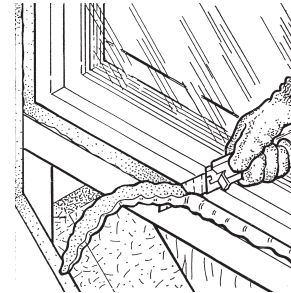


FIGURE 5



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Dow 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 MSDS, call Dow at 1-866-583-BLUE (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™ Insulating Foam Sealants contain isocyanate and a flammable blowing agent. Read the labels and Material Safety Data Sheets carefully before use. Eliminate all sources of ignition before use. Wear long sleeves, gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

GREAT STUFF PRO™ Gun Cleaner is flammable and contains acetone and propane. Read the label and Material Safety Data Sheet carefully before use. Eliminate all sources of ignition before use. 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 Dow can give assurance that mold will not develop in any specific system.

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