

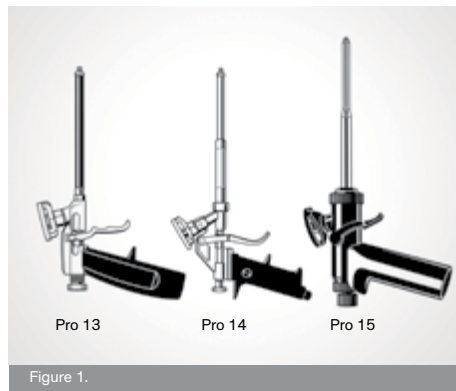


GREAT STUFF PRO™ Window & Door Insulating Foam Sealant

The instructions outlined here describe how to use GREAT STUFF PRO™ Window & Door Insulating Foam Sealant to air seal the gap around an installed window or door frame and the rough opening. GREAT STUFF PRO Window & Door is designed to form a durable, airtight, water-resistant bond to vinyl, wood, composite and metal surfaces. It reduces the amount of moisture intrusion through fenestration openings, which can help prevent moisture damage and wood rot. This one component, minimal expanding, low-pressure flexible polyurethane foam expands only enough to generate an effective seal, and is formulated to not distort or bow window and door frames when properly applied.

General Information

- GREAT STUFF PRO™ Window & Door Insulating Foam Sealant is available in 20 oz (567 g) and 24.5 oz (695 g) reusable gun- and straw-applied versions. See Table 1 for estimated yields.
- Using one of the PRO Series foam dispensing guns (shown in Figure 1) 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, allowing a can to be reused.



Conditions of Use

GREAT STUFF PRO™ Window & Door is flammable during dispensing. Shut off all gas pilot lights, electrical igniters and other sources of ignition (e.g., candles, space heaters and halogen lamps) before and during use. Do not smoke or use matches/lighters while dispensing foam. Use GREAT STUFF PRO Window & Door in a wellventilated area or with proper respiratory protection. The foam may cause sensitization by inhalation and/or skin contact. Read the Material Safety Data Sheet before use.

- Contents of the can are under pressure. Do not place in hot water. Do not puncture, incinerate or store at temperatures above 120°F (49°C). Can may burst if left in areas susceptible to high temperatures, such as motor vehicles or near radiators, stoves or other sources of heat.
- Foam is extremely sticky. Take appropriate measures to protect skin, eyes and surfaces. Wear gloves and safety glasses or goggles.
- 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.
- GREAT STUFF PRO Window & Door should be applied a temperatures between 40°F and 100°F (4°C and 38°C) at relative humidity ≥20%.
- Extremely cold temperatures can affect dispensing performance.
- 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.

TABLE 1: Estimated Yields for GREAT STUFF PRO™ Window & Door

Can Size, oz (g)	Delivery	No. of Windows ⁽¹⁾
20 (567)	Reusable straw	6-9
20 (567)	Gun	11-14
24.5 (695)	Reusable straw	8-11
24.5 (695)	Gun	8-11

(1) Average-sized windows (36" x 60" [0.9 m x 1.5 m], gap 3/8" [10 mm] wide and 1" [25 mm] deep)

Preparation

1. Apply GREAT STUFF PRO™ Window & Door when temperatures are between 40°F and 100°F (4°C and 38°C), at relative humidity $\geq 20\%$.
2. Be sure window/door and frame surfaces are clean and oil- and chemical-free.
3. Shake can vigorously for 60 seconds before dispensing and between uses. Shaker ball must tap. To free shaker ball, rap can firmly against base of hand.
4. Invert can and screw foam dispensing gun (or threaded end of straw assembly firmly) onto valve as shown in Figure 2. Screw until fingertight; do not overtighten (Figure 3).



Figure 2.



Figure 3.

(When changing cans using the foam dispensing gun, tighten the flow control knob before removing the empty can [Figure 4]. Use GREAT STUFF PRO™ Gun Cleaner to remove any residual foam from the attachment area before attaching fresh can.)



Figure 4.

5. Dispense foam for 3–6 seconds to purge air from gun or straw.

TIP

Using grease or petroleum jelly in the adapter of the gun may reduce possibility of foam gluing the can on the gun.

CAUTION

Do not inject the foam sealant into blind six-sided cavities, such as window mullions. The foam must be exposed to atmospheric moisture to thoroughly cure.

Application

1. Keeping can inverted, insert applicator nozzle into the space between the window or door and the rough opening and begin applying foam (Figure 5). Fill openings less than 50 percent full to allow room for expansion. Do not overfill gap (Figure 6). 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" (75 mm).



Figure 5.

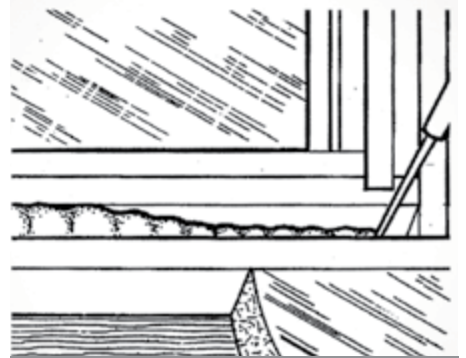


Figure 6.

TIP

Apply foam in a continuous bead, with no voids or breaks, to achieve an effective seal.

- The foam dispensing gun is recommended to control the size of the foam bead (from 1/8" to 3" [3 mm to 75 mm]). This is achieved by squeezing the trigger on the foam dispensing gun or by adjusting the flow control knob on the back of the gun to set how far the trigger can be pulled (Figure 7). If using a straw dispenser, the force exerted on the button controls the size of the foam bead.

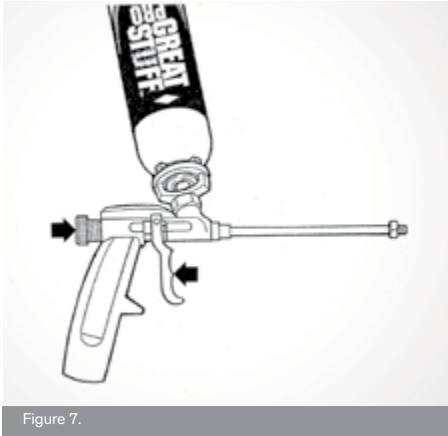


Figure 7.

- If the gap is overfilled, trim away excess foam with a sharp knife (Figure 8). Foam will be tack-free within 9 minutes and can be trimmed in 1 hour. It is fully cured 12 hours after application. If product remains in the can of GREAT STUFF PRO Window & Door, 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.

TIP

Always close the flow control knob when the gun is not in use.



Figure 8.

- 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 foam dispensing gun. Use GREAT STUFF PRO Gun Cleaner between extended periods of non-use.

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.
- Use GREAT STUFF PRO Gun Cleaner in well-ventilated areas only. See the Material Safety Data Sheet for respiratory protection requirements. Solvent and propellant are flammable.
- 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.

NOTE: If this happens, the gun should be replaced. If the foam dispensing gun has not been cleaned, add a new can of GREAT STUFF PRO Window & Door immediately. If left without a can attached, exposure to air and moisture will cause the foam in the gun to cure. A fresh can of foam may be left attached to a foam dispensing gun that has been cleaned for up to 30 days.

TIP

Treat your gun like a tool. The better you take care of it, the longer it will last.



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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 (Material) Safety Data Sheet ((M)SDS), 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. 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>.

GREAT STUFF PRO™ Insulating Foam Sealants contain 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 goggles or safety glasses. 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.

GREAT STUFF PRO™ Gun Cleaner is flammable and contains acetone and propane. Read all instructions and (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 Dow can give assurance that mold will not develop in any specific system.