

Tech Solutions 107.0

PRO Series Foam Dispensing Gun Care Tips

Introduction

A PRO Series foam dispensing gun, once activated, is just like a garden hose that has been turned on – it's pressurized right to the tip. When a can of **Great Stuff Pro™ Polyurethane Foam Sealant** or Adhesive is loaded onto the gun, the foam goes right to the tip.

One pull of the trigger, and foam is dispensed. But remember, since the foam is cured by moisture in the air, allowing air into the gun assembly can cause the foam to cure and render the tool useless. Follow the steps in this document to help ensure long-lasting performance from any PRO Series foam dispensing gun.

Safety and Conditions of Use

Before using any **Great Stuff Pro™** product:

- Read the label and Material Safety Data Sheet carefully before use.
- **Great Stuff Pro™** products 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™** sealant and adhesive products are very sticky and will adhere to most surfaces and skin. Do not get foam on skin. Wear 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).

- **Great Stuff Pro™** products 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 Pro™** foam will burn if exposed to open flame or sparks from high-energy sources, and it will start to thermally degrade if exposed to temperatures above 240°F (116°C).

Loading a Can of Great Stuff Pro™ Product

To load a can of **Great Stuff Pro™ Polyurethane Foam Sealant** or Adhesive to a PRO Series foam dispensing gun, make sure that the threads on the can align with the threads on the gun. Crossthreading the can to the gun can cause the foam to dispense under the valve. Screw the can onto the gun firmly, but do not overtighten.



Control Bead Size With Flow Control Knob

Use the flow control knob on the back of the gun to vary bead size. Unscrewing the knob enables additional “play” in the trigger. Bead size can be controlled from 1/8” to 3” (3 mm to 76 mm).



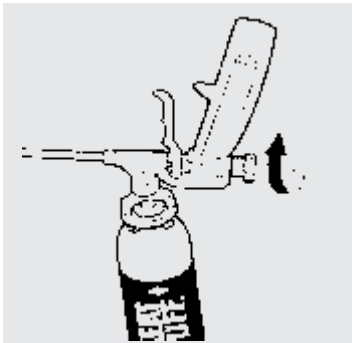
Trigger Control

The PRO Series foam dispensing gun trigger can be metered so the harder it is pulled, the faster the foam will be dispensed. To apply foam to smaller gaps, pull on the trigger less. Close the flow control knob when not in use to prevent premature discharge.



Changing a Can of Foam

After emptying a can of **Great Stuff Pro™ Polyurethane Foam Sealant** or Adhesive, tighten the flow control knob to close it, then remove the empty can by unscrewing it from the adapter.



TIP

Leaving an empty can on a PRO Series foam dispensing gun will allow foam to cure inside the gun. Always remove empty cans and clean the gun when finished.

Clean the adapter with **Great Stuff Pro™ Foam Cleaner** and immediately load a new can. PRO Series foam dispensing guns include a ball valve in the adapter to prevent foam coming out of the top. Uncured foam on other surfaces can be removed with **Great Stuff Pro™ Foam Cleaner**.

TIP

Do not leave a PRO Series foam dispensing gun without a can of foam on it. Air can get inside and cause residual foam to cure, ruining the gun.

Periods of Non-use

A partially empty can of **Great Stuff Pro™ Polyurethane Foam Sealant** or Adhesive can remain attached to a PRO Series foam dispensing gun for up to a month. Close the flow control knob before storing.

If the PRO Series foam dispensing gun will not be used for more than a month, remove the partial can, clean the top with **Great Stuff Pro™ Foam Cleaner**, then run **Great Stuff Pro™ Foam Cleaner** through the gun until no foam comes out of the end. Close the flow control knob and store the gun in a cool, dry place, avoiding areas of open flame or extreme heat. The partially used can may be reloaded when ready.

Note: If the PRO Series foam dispensing gun is used daily, it should be thoroughly purged weekly. Close the flow control knob when not in use to prevent premature discharge.

Great Stuff Pro™ Gun Cleaner

Safety and Conditions of Use

Before using **Great Stuff Pro™ Foam Cleaner**:

- Read the label and Material Safety Data Sheet carefully before use.
- **Great Stuff Pro™ Foam 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.

Cleaning the PRO Series Gun

To clean the PRO Series foam dispensing gun, unscrew the can of **Great Stuff Pro™ Polyurethane Foam Sealant or Adhesive** and attach a can of **Great Stuff Pro™ Foam Cleaner**, making sure the threads are straight. Pull the trigger and dispense contents into a covered container lined with a disposable bag, e.g., a trash can with a lid, and dispose per local, state/provincial and federal regulations. Dispense cleaner until there are no signs of residual foam. This usually requires about half a can of **Great Stuff Pro™ Foam Cleaner**. When detaching the cleaner, continue to pull trigger while unscrewing the cleaner from the gun to help prevent spray back.



Note: Make sure the PRO Series foam dispensing gun is thoroughly cleaned. If not, foam residue may build up and cause foam to stick inside the gun.

Clean the PRO Series foam dispensing gun only when necessary. The gun should be able to be used continually by following the steps outlined in this document.

Cleaning the Adapter and Gun Exterior

Uncured **Great Stuff Pro™ Polyurethane Foam Sealant and Adhesive** can be removed from the adapter and the gun's exterior surface with **Great Stuff Pro™ Foam Cleaner**, using the red spray nozzle attachment.



Cleaner with red spray nozzle attached.



Remove uncured foam from gun.

Remove uncured foam from gun adapter on can.

Cured foam should only be removed from the adapter using a blunt tool, such as a piece of wood. Do not attempt to scrape cured foam off the adapter with a sharp object; this can scratch the adapter coating and cause foam to get in the cracks and scratches, impairing proper loading of cans and leading to eventual gun failure.

After cleaning the adapter, apply a light film of petroleum jelly to prevent dried foam from clinging to the adapter.

TIP

Rub the barrel tip on soft wood to free it of foam. Never use a sharp object to clean the barrel tip. This can damage the tip and internal rod, causing the gun to leak.



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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 DuPont at 1-866-583-2583 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. The blowing agent contained within this product can exhibit vapor flame limits under the right conditions. If specific operating conditions are such that concentrations of the blowing agent above the lower flammable limit can accumulate in areas with high relative humidity and in the presence of high-energy electrical discharges or other ignition sources, additional measures such as increased ventilation or coded electrical equipment (class one, division two) may be warranted. DO NOT SMOKE DURING USE. DO NOT USE NEAR ANY OPEN FLAME OR ELECTRICAL SOURCE. OUTDOOR USE ONLY. INDOOR USE INCREASES LIKELIHOOD OF IGNITABLE CONDITIONS. Insta Stik™ Quik Set Commercial Roofing Adhesive contains isocyanate and a blowing agent. Read the label and (Material) Safety Data Sheet ((M)SDS) carefully before use. Wear gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure. For outside use only.

Great Stuff™ and 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.

Building and/or construction practices unrelated to insulation 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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