

ALWAYS KEEP THESE INSTRUCTIONS WITH THE PRODUCT PACKAGE



2-Component Polyurethane Spray Foam

INSTRUCTIONS FOR USE

While Convenience Products low-pressure spray foams are safe for homeowners to use, they are recommended for professional use. Read and understand Safe Use, Storage and Handling, Safety Data Sheet (SDS), Instructions for Use, and Tech Data Sheet prior to use!

Always wear recommended personal protective equipment. Refer to the enclosed "Safe Use, Storage and Handling" guide for detailed recommendations.

Polyurethane foam is temperature sensitive. Failure to follow procedures and temperature guidelines may result in poor performance and may affect foam quality.

Touch 'n Foam® Professional and Touch 'n Seal® two-component low-pressure spray polyurethane foam (SPF) from Convenience Products effectively seals and insulates energy-wasting air gaps throughout the interior and exterior of residential, commercial and industrial facilities.

Section 1: Preparation and Set-Up

1. Store products at room temperature (60°–90°F / 16°–32°C) in a dry area. Do not expose products to open flame or temperatures above 120°F (49°C).
2. Check expiration date on carton to ensure product is current.
3. Cylinders and contents must be brought to between 70°–90°F (21°–32°C) for use. This normally requires 36 to 72 hours at room temperature. Application at higher or lower temperatures may reduce foam performance.
4. For best results, ensure that chemical, ambient and substrate temperatures are 60°–90°F (16°–32°C) before and during use.
5. Use only in a well-ventilated area.
6. Wear recommended personal protective equipment.
7. Remove hose and accessories bag from carton. Make sure spray foam applicator trigger lock is engaged by pushing it into applicator body.
8. Attach hoses to cylinders; if not already attached.
 - a. Connect the red-striped hose to the red (A) tank and the white hose to the white (B) tank.
 - b. Tighten hose fittings with wrench provided. Do not overtighten.
 - c. Insert hoses into carton holes or lay in carton slots where applicable.
9. Fully open valves on both cylinders by turning counter-clockwise until a slight resistance is felt.
10. Close cartons.
11. Always dispense spray foam with cylinders in an upright position.
12. Do not pull or lift cylinders by hoses.
13. Unlock applicator trigger safety by pulling until it sets in open position.
14. Purge air from the chemical hoses by aiming the foam applicator into a waste receptacle. Depress the trigger until two roughly equal chemical streams exit the foam applicator barrel. This may take 5-15 seconds depending on the hose lengths.
15. Wipe the applicator barrel with a clean rag to remove any liquid or reacted foam.
16. Lubricate the spray foam applicator O-ring with lubricant provided.

17. Select the appropriate spray nozzle:
 - YELLOW FAN NOZZLE for a wide spray pattern.
 - CLEAR CONICAL NOZZLE for a narrow spray pattern.
18. Attach the nozzle by aligning slots on nozzle with notch on spray foam applicator barrel. Push and twist nozzle clockwise to lock in place.
19. Spray a small amount of foam on scrap material to check chemical mix. The foam should be off-white in color and be tack free within 30-60 seconds.

Section 2: Spray Application

The spray foam applicator controls the flow of the chemical components. The following application instructions will help improve the efficiency and performance of the spray foam application:

1. Application surface should be clean, dry, and free of oil or other contaminants.
2. Cover surfaces in the area where foam will be sprayed with plastic sheet to prevent accidental overspray.
3. Apply the foam on scrap material to become familiar with how the product dispenses and to determine the best approach to applying to the project.
4. **For Full Cavity Fills:** Spray up to 1" for the first layer of cured foam. (NOTE: 1/2" of wet foam equals 1" of cured foam.) For best adhesion to the substrate, a 1/2" first layer is recommended. The wet chemicals normally expand two to three times the original volume. Apply additional layers of up to 1 inch of foam until desired total thickness is reached. Allow foam to cool between layers to avoid excessive heat and maximum expansion.

For Perimeter or Bead Application: Spray an approximate 3" wide by 1/2"–1" deep continuous wet bead of foam around perimeters of rim joists, wall cavities and/or other gaps and cracks to provide an air-tight seal. The wet chemicals normally expand two to three times the original volume.

For Flash & Batt Application: Spray an approximate 3" wide by 1/2"–1" deep continuous wet bead of foam around perimeters of rim joists, wall cavities and/or other gaps and cracks to provide an air-tight seal. Spray a thin backfill (less than 1/2") along the full width of the wall cavity. The wet chemicals normally expand two to three times the original volume. Once foam has cured, fill remaining opening in cavity with batted insulation.

5. NOTE: If spraying is stopped for longer than 30 seconds, the foam in the nozzle will begin to cure and clog the nozzle. Replace the used nozzle with a new, unused nozzle as follows.
 - a. Lock the trigger safety on the foam applicator.
 - b. Grasp the spray foam applicator in one hand and the used nozzle in the other. Twist the nozzle counterclockwise and pull it off the barrel.
 - c. Clean the barrel of the spray foam applicator with a clean cloth.
 - d. Attach nozzle to applicator barrel. Align slots on nozzle with notch on spray foam applicator. Push and twist nozzle clockwise to lock in place.

Section 3: Shutdown and Storage between Uses

Partially used foam kits can be reused within 30 days of the initial application adhering to the following instructions:

1. Close the cylinder valves by turning clockwise.
2. Do not drain chemical from the hoses.
3. Push the trigger safety into the locked position.
4. Remove the used nozzle, but DO NOT DISCARD.
5. Wipe the applicator barrel with a clean cloth, making sure the chemical exits are clean. Do not use solvent.
6. Apply more lubricant to the O-ring on the applicator barrel.
7. Re-attach the used nozzle, which will prevent air and moisture from entering the hoses.
8. After 7 days of non-use, remove the used nozzle, dispense a small amount of liquid, then wipe clean and re-seal with the used nozzle.
9. Store partially used products at room temperature (60°–90°F / 16°–32°C) in a dry area. Do not expose to open flame or temperatures above 120°F (49°C).
10. Products must be re-warmed to 70°–90°F (21°–32°C) before re-use.

Section 4: Clean-up

1. Uncured foam may be removed by wiping off with a dry cloth and by using Touch 'n Foam Professional and Touch 'n Seal brand foam cleaner or acetone. Check to be sure that the cleaner or acetone will not damage the surface being cleaned.
2. Do not use foam cleaner or acetone to clean the tip of the foam applicator barrel as moisture could form inside the barrel. Simply wipe with a clean towel or rag.
3. Always wear recommended clothing and gloves to prevent skin exposure. Do not use foam cleaner or acetone to remove uncured foam from skin. Wipe off uncured foam using a dry cloth and wash with soap and water. Cured foam will wear away from the skin over time.

Section 5: Application Guidance

Adhesion: Foam adheres to most porous building materials. Metal substrates must be free from dirt, rust and oil and may require a primer where adhesion is critical. Foam does not adhere to polyethylene, polypropylene, PTFE (Teflon®), or silicone.

Not for Use in Closed Cavities: Spray foam should only be applied where the foam can freely rise perpendicular to the substrate. Touch 'n Foam Professional and Touch 'n Seal two-component spray foam **should not be used to fill restricted cavities** such as closed stud walls. Pressure from the expanding foam could deform or damage drywall or exterior sheathing and siding. Depending on thickness of the cavity, excessive exothermal heat may cause foam discoloration, smoldering or even fire if the product is misused as injection foam product.

Foam Should Only Be Applied in Multiple Layers: Because spray foam produces heat when it reacts and the cured foam is an excellent insulation, it is important to allow the foam to cool between the application of each layer. Foam should only be applied in 1-inch thick layers, allowing 15 minutes between every 1-inch layer to avoid overheating. Otherwise, the excessive heat may cause discoloration, smoldering or even fire. If smoke is evident from the curing foam, a fire extinguisher can be utilized.

Building Codes: According to the International Residential Code (IRC – 2006, 2009, 2012) and the International Building Code (IBC – 2006, 2009, and 2012) model building codes, foam insulation must be separated from occupied space by an approved thermal barrier or approved equivalent. Special considerations are made for attics and crawlspaces accessed only for service, where an ignition barrier or approved equivalent may be required

to cover the foam. Exposed foam up to 3 inches thick is allowed on sill plates and headers. Consult the local code jurisdiction for further information and guidance.

Density and Foam Yield: The theoretical density in pounds per cubic feet (pcf) and yield in board feet (bd. ft.) are indicated on the product carton. (One board foot is one square foot of foam, 1 inch thick.) Actual density and yield may differ, depending on spray technique, material and substrate temperatures, ambient temperature and humidity, and other factors.

Exterior Applications: Direct sunlight will discolor and degrade the surface of the foam. For exterior applications, the foam should be covered with an exterior paint or coating.

Indoor Air Quality: Well sealed homes may require mechanical ventilation to supply outside air. Consult a qualified HVAC contractor for more information.

Service Temperatures: Polyurethane foam should not be used in direct contact with chimneys, heat vents, steam pipes, or other surfaces that exceed 240°F (116°C).

Section 6: Troubleshooting

If cured foam appears either lighter or darker in color immediately after spraying, one component may be blocked or empty. Immediately stop spraying and do the following:

1. Check both valves to be sure they are fully open.
2. Look for and fix any kinks in the hoses.
3. Remove the nozzle, clean off any residual liquid or foam. Check to be sure two roughly equal chemical streams exit the foam applicator barrel by dispensing into a waste receptacle.
4. Verify that the chemical, ambient, and substrate temperatures are within the suggested ranges.
5. For additional assistance, contact Convenience Products Customer Service at (800) 325-6180 or (636) 349-5333.

Section 7: Safety Precautions

Refer to "Safe Use, Storage and Handling for Low-Pressure Spray Foam Products" included in the carton for detailed safety precautions.

1. Use only in a well-ventilated area to avoid accumulation of propellant vapors which may displace oxygen.
2. Avoid skin contact. Wear chemical resistant (e.g., nitrile) gloves, long sleeves and long pants to cover exposed skin.
3. Wear protective glasses or goggles.
4. Do not operate the system while smoking or while in close proximity of an open flame, such as a furnace pilot light.
5. Do not weld or use an open flame on or near cured foam.
6. It is recommended, but not required, to wear a NIOSH-approved organic vapor air-purifying respirator with a particulate filter.
7. KEEP OUT OF REACH OF CHILDREN

Limited Warranty

Convenience Products warrants this product to be free from defects. The Company shall not be liable for any consequential or other damage or remedy; its sole obligation and your exclusive remedy are limited to product replacement. Warranty is null and void if unit is operated without attaching a new spray foam applicator gun/hose set. Some states do not allow limitations on the exclusive or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state. There are no warranties which extend beyond the description on the face hereof.