Foam Applicator Gun

DESCRIPTION

LEPAGE® Foam Applicator Gun is designed for use only on the LEPAGE® Polyurethane Foam aerosol cans fitted with a standard collar and adapter for dispensing product.

Available as:

Item #	Size
1512621, 3020882	Std. barrel with 6” brass extension included
3029556	Long-barrel (24”)

COMPATABLE PRODUCTS

- LEPAGE® QUAD® Foam 598g aerosol can (IDH 1482482)
- LEPAGE® QUAD® Foam 435g aerosol can (IDH 1880791)
- LEPAGE® QUAD® Fire Block Foam 598g aerosol can (IDH 2900735)
- LEPAGE® PL Drywall Foam Construction Adhesive 598g aerosol can (IDH 2971754)
- LEPAGE® PL Subfloor Foam Construction Adhesive 598g aerosol can (IDH 2972987)
- LEPAGE® Foam Cleaner 340g aerosol can (IDH 2209321)

NOTE: These foaming adhesives and insulating foam products require designated applicators.
Do not interchange PU foam adhesives with PU Foam insulation sealant products.

INSTRUCTIONS FOR USE

Foam Applicator Gun Best Practices

CAUTION: Do not point the applicator gun at people or animals. Always wear eye protection, gloves and protective clothing. Avoid damage to existing materials in replacement situations. Use a drop cloth to protect work area at all times.

1. Shake can well 15 to 20 times prior to attaching the applicator gun. Align canister and applicator gun. Screw black collar of canister onto the basket adapter of the applicator gun by hand until snug, being careful not to cross-thread the unit. Do not over tighten.
   NOTE: It is important to align threads properly to prevent possible leakage
2. Shake can well before use and during any work interruptions.
   NOTE: In colder temperatures occasional shaking **during use** is recommended to ensure consistent flow. Keep product temperature above 5°C (41°F) for maximum performance and best flow rate.
3. Aim applicator gun into an appropriate receptacle such as a box or bag or on a disposable surface to test flow rate. Pull trigger to start the flow of foam.
4. Adjust the control knob (release valve) on rear of applicator gun to regulate flow. Clockwise decreases flow, counterclockwise increases the flow.
5. Do not store applicator gun with empty canister attached. When changing canister, replace empty can immediately to avoid hardening or clogging of foam in the applicator gun.

MAINTENANCE AND CLEANING

1. A partially used canister may be left on the applicator gun between jobs when the release valve is fully closed (turn clockwise), but for no longer than 30 days maximum. It is not necessary to clean the applicator gun until the canister is removed. When not in use, ensure the release valve is in the closed position (turn clockwise) to prevent foam from curing up inside the gun. A pressurized foam can must always be attached to the gun while temporarily stored. Never remove a partially used/dispensed can as cans are pressurized.
2. Completely emptied foam cans must be replaced immediately. Clean the applicator gun thoroughly as soon as possible after the canister is removed if a replacement can is not available to avoid foam from hardening inside the applicator gun.
   NOTE: Once foam has cured, cleaners will not work or dissolve the polyurethane foam

MAINTENANCE AND CLEANING

3. Use LEPAGE Foam Clean pressurized cleaning solvent to clean gun or use the button actuator on the valve stem for spot cleaning and for clean-up of uncured foam when changing cans. Always clean “basket adapter” completely from residual foam material before replacing. Use petroleum jelly lubricant on the basket adapter to prevent over- tightening.
4. Screw LEPAGE Foam Cleaner canister onto the applicator gun. Spray cleaner onto a disposable surface or into a container for 3-5 seconds. Open release valve partially (counterclockwise, but do not unscrew the valve from the applicator gun). Spray again for 3-5 seconds and repeat, as necessary.
5. For long term storage allow Foam Cleaner to remain in the applicator gun for 2 minutes. Spray for another 3-5 seconds to remove used Foam Cleaner from the applicator gun. Repeat this process until the Foam Cleaner spray exiting the applicator gun is completely clean. Remove LEPAGE Foam Cleaner canister from applicator gun. Release pressure by pulling trigger then close regulator valve. Use petroleum jelly on nozzle tip and basket before storing applicator.
6. If necessary, without a can attached, unscrew the regulator knob and remove the needle. Clean the needle with a non-abrasive rag dampened with cleaning solvent.
7. Grease the needle with petroleum jelly lubricant before replacing in the applicator gun. Take care to not lose any parts as they cannot be replaced.
8. Routinely clean the screw-on brass tip to keep it completely free of hardened foam. Spray LEPAGE Foam Cleaner into the brass tip’s cavity. If foam has cured inside the brass tip use a probe to break apart and remove the cured foam to maintain a clear path for the foam to travel.

Warning: Do not completely unscrew release valve from the applicator gun while connected to a PU foam or cleaner canister. Back pressure may cause the valve to rapidly disengage from the applicator gun causing potential harm.

Helpful Hint: Squeeze trigger when unscrewing an empty can in order to depressurize dispensing unit (point dispensing unit into appropriate waste receptacle). This will help to prevent backflow of material from the basket adapter.

NOTE: Holding the trigger open during the entire can changing process will help prevent backflow of material from the basket adapter.

TROUBLESHOOTING

PROBLEM: trigger will not depress

POSSIBLE CAUSE	SOLUTION
➢ Regulating screw on back of applicator gun is in closed position	➢ Open regulating screw on back of applicator gun by turning counterclockwise
➢ Cured product on needle valve may cause the trigger to stick. Excessive force should not be used if trigger will not open readily, as this may cause damage to parts	➢ If the needle valve cannot be dislodged using the trigger, it may be able to be “broken free” by turning or carefully removing the regulator screw being careful not to lose the spring and ball. Turn the needle valve using a set of pliers. If this does not free the valve, then the internal parts are clogged with cured foam and the applicator gun needs to be replaced.

TROUBLESHOOTING

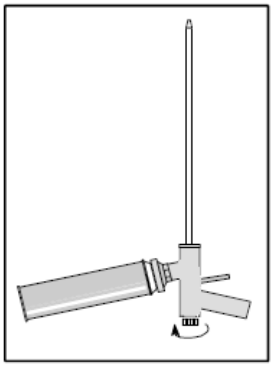
PROBLEM: Product does not extrude from the applicator gun when trigger is pulled, or product extrudes too slowly

POSSIBLE CAUSE	SOLUTION
➢ "Spitting" during dispensing, or propellant bursts, can be caused by not keeping aerosol can vertical with valve pointing down	➢ Slight spitting can be expected. Excessive spitting is not normal. Keep aerosol can vertical with valve pointing down. Intermittent shaking of can is required to keep contents mixed properly. Aerosol cans must be shaken during and in between work interruptions.
➢ Cured product on needle valve may cause the trigger to stick. Excessive force should not be used if trigger will not open readily as this may cause damage to parts	➢ If the needle valve cannot be dislodged using the trigger, it may be "broken free" by turning or carefully removing the regulator screw, being careful not to lose the spring and ball. Turn the needle valve using a set of pliers. If this does not free the valve, then the internal parts are clogged with cured foam and the applicator gun needs to be replaced.
➢ Appearance of the dispensed bead of foam can be greatly affected by the condition of the applicator gun. Larger open-cell appearance may result if applicator gun is not properly maintained. Also, product left in the barrel of the gun or allowed to get too cold may also affect appearance.	➢ The initial burst of material from the barrel may be more open celled than normal. If unacceptable appearance continues, then the basket adapter may need a thorough cleaning. Test with a fresh can or product that is at the proper dispensing temperature for dispensing.

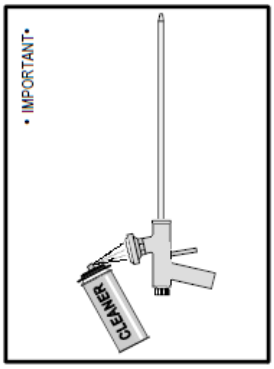
PROBLEM: Properties of dispensed product not acceptable or behaving unusually

POSSIBLE CAUSE	SOLUTION
➢ Cured product at the tip of the applicator gun may partially or completely block the flow of the product	➢ Rub the applicator gun tip on a piece of soft lumber or use a knife, wire brush, etc. to remove cured residue
➢ Product is too cold causing the liquid to thicken in the can and reduced propellant pressure resulting in a slower flow rate	➢ It is recommended to store cans between 18-24°C (65-75°F) prior to use. Maintain can temperature above 5°C (41°F) for best flow rate. DO NOT heat cans with local heat sources (stove, radiators, hot plates, etc.)
➢ Basket adapter may become clogged with cured foam product if applicator gun is stored without can attached or if it is not cleaned thoroughly when changing cans	➢ Foam applicator gun may no longer be useable and needs to be replaced
➢ Slow flow towards end of can may indicate a loss of propellant pressure due to cold temperatures or from dispensing foam horizontally	➢ Keep can as vertical as possible during dispensing with valve down. If "spitting" or propellant loss is excessive shake can periodically as the can empties.
➢ Regulating screw on back of gun is in closed position	➢ Open regulating screw on back of applicator gun by turning counterclockwise
➢ Product is past its shelf life	➢ Shake can. If no liquid movement is felt (or product is very thick) then it may be past its shelf life and needs to be replaced
➢ Product does not dispense after storage.	➢ Product was stored beyond 30 days after original opening, or product has expired shelf life.
➢ PU foam leaks out of applicator gun while in closed position	➢ Remove canister, release pressure, and empty foam remaining in the applicator. Clean applicator gun then remove and clean the needle with LEPAGE Foam Cleaner (see steps 5 and 6 above). If the applicator gun continues to leak, it should be replaced as parts may be worn.

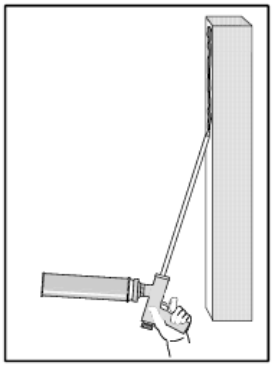
STEEL DISPENSING GUN INSTRUCTIONS



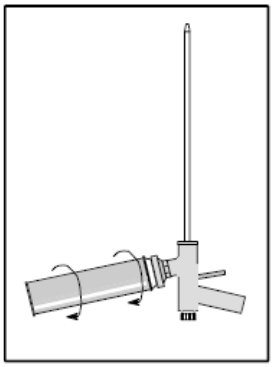
Open the gun safety by turning the knob counter clockwise. This allows the trigger to be pulled back, and the flow to be regulated.



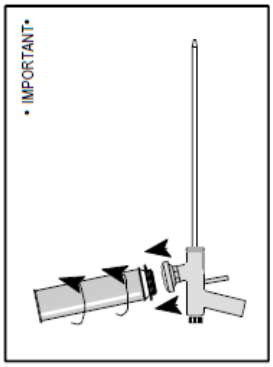
After removing the empty can, gun cleaner should be used to remove leftover foam from the basket. Always clean the basket prior to screwing on a new can. (For longer periods of storage attach the cleaner to the basket and thoroughly flush the interior of the gun.)



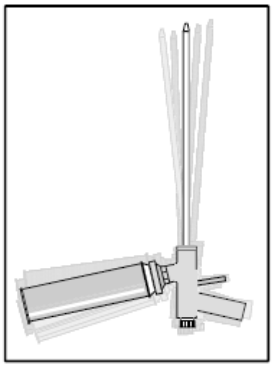
Proceed to dispense material.



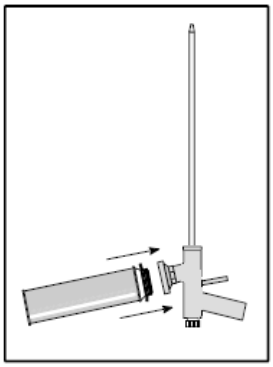
Screw the can into the gun basket, turning clockwise. Do not over tighten.



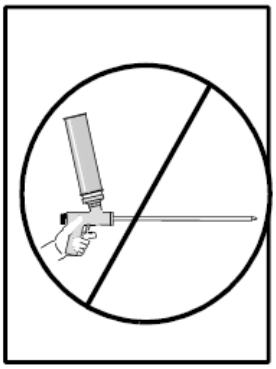
When the can is empty, remove the can by turning counter clockwise. A small amount of foam will be present in the gun basket.



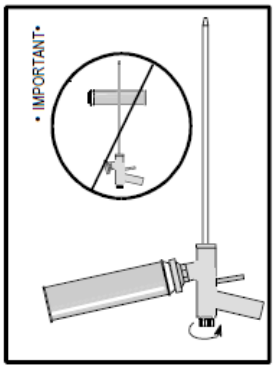
When reusing after short periods of storage, simply shake the gun and can unit for 1 minute.



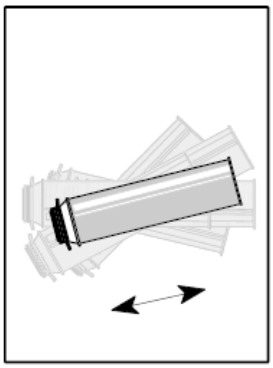
Make sure gun basket is clean. Apply petroleum jelly to inside of basket for easy can replacement. Place the can collar into the gun basket.



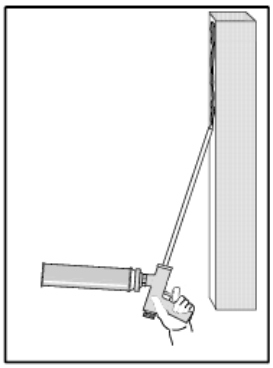
To assure proper mixture and emptying of the can, NEVER spray when the can is in a horizontal or upside down position.



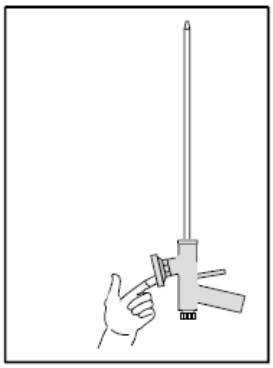
ALWAYS store the dispensing unit with the can still attached. When storing for short periods of time, turn the gun safety knob completely clockwise.



Prior to use, shake for 1 minute.



Pull back on the trigger to dispense material, keeping the can in a vertical position.



After cleaning the gun basket with solvent, apply petroleum jelly on the inside threads of the basket. This allows for easy can replacement.

STORAGE & DISPOSAL

When storing applicator gun with foam aerosol cans attached be sure to store with the can valve pointing downwards. Storing in an upright position may cause propellant to leak from the applicator gun and become inoperative.

Store in a cool, dry place. For maximum performance and shelf life store between 5°C (41°F) and 25°C (77°F). The product can be stored for a maximum of 1 week at -20°C (-4°F). Do not store below -20°C (-4°F); below this temperature product valve may spontaneously open resulting in leakage.

Containers are under pressure. Do not expose to open flame or temperatures above 49°C (120°F). Do not store under direct sunlight. Excessive heat can cause bursting and premature aging of components resulting in shorter shelf life. When containers are empty, vent off any excess pressure. DO NOT discard empty can in garbage compactor. DO NOT incinerate. DO NOT puncture, cut, or weld container.

Recommended method of disposal for unused product: Vent off excess pressure and dispose of in appropriate waste receptacle. Dispose of according to provincial and federal governmental regulations.

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