

## WARRANTY

If you have any problems with this tool, please call FPC Corporation toll-free at 1-800-860-3838 before returning it to the place of purchase.

FPC Corporation warrants this glue gun to be free from defects in material and workmanship, under normal conditions of use and when used in accordance with FPC operating instructions, for a period of 90 days from the date of purchase by the user. Within the 90 day warranty FPC at its option shall repair or replace glue gun. The glue gun must be returned at the distributor/user expense, either within warranty or out. Repaired or replaced glue guns will receive a 60 day warranty. USER MUST BE USING SUREBONDER / FPC GLUE STICKS FOR THIS WARRANTY TO BE VALID. WARRANTY IS VOID IF OTHER TYPES OR BRANDS OF GLUE STICKS ARE USED.

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# SUREBONDER®

**Pro450 Adjustable Temperature Glue Gun**



**400 Watt Industrial/Professional Glue Gun**

**Operating Instructions**

Read Safety Rules and Instructions Carefully  
Save for Future Reference



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## IMPORTANT SAFETY WARNINGS:

WHEN USING THIS HOT MELT GLUE GUN, ALWAYS FOLLOW BASIC SAFETY PRECAUTIONS; THIS WILL REDUCE THE POSSIBILITY OF ACCIDENTAL INJURY DUE TO BURNS OR ELECTRICAL SHOCK.

Wear long sleeves, long pants, heat-resistant gloves and safety glasses. Temperature of glue gun and glue can reach over 400° F and can cause serious burns.



Keep out of reach of children; do not place glue gun where cord can be tripped over. Keep away from flammable material. It is normal for this tool to become quite warm during use. This is normal and does not indicate a problem. Do not leave glue gun unattended while it is on, or in a hot condition.

Do not immerse glue gun in water.  
Do not use in wet or damp locations. For indoor use only.  
Do not use near flammable materials, vapors, solvents, etc.

If accidental skin contact with glue gun nozzle or glue occurs, do not attempt to remove glue from skin - immediately put burned area into cold water. Call physician if necessary.

Glue gun is for Indoor Use only; do not use outdoors or in wet or damp locations. Never immerse glue gun in water or other liquid. Use on a clean, dry work surface. Excessive dust and dirt will reduce the lifetime of this tool.

Do not modify the plug in any way. When unplugging from outlet, do not pull out of the socket by the cord; grasp the plug and pull out of the outlet. Do not carry tool by the cord. When glue gun is being serviced or when changing accessories, disconnect from electrical power source.

Use only recommended accessories and adhesives with this glue gun. Using materials other than those recommended may result in accidental injury, and permanent damage to the glue gun.

This glue gun should be unplugged after use, or if it will not be used within a 2 hour period. After use, allow glue gun to cool completely prior to storage. When not in use, the glue gun should be stored in a dry, secure location out of the reach of children. The adhesive can be stored indefinitely in the unheated gun, and remelted by heating up the tool.

Hot Melt Adhesives are not a replacement for structural fasteners. Hot Melt Adhesives should not be used for projects that will be exposed to extreme heat; glue can soften at 140° F. **Do not attempt to remove unused portion of a glue stick from the back of the tool.** Do not expose the glue gun to extreme changes in temperature during or directly after use - allow gun to air cool only.

(warnings continued on next page)

## Troubleshooting

Minor problems may occur while operating your industrial glue gun. Listed below are several common problems and tips on how they can be resolved.

### Nozzle Leaking

Some leakage from the nozzle is normal. This will amount to a few drops (5-10) after the gun is first plugged in or after a large amount of adhesive is dispensed. Abnormal leaks maybe caused by using glue sticks not formulated for this glue gun; Surebonder® glue sticks are highly recommended. Leaks may also be caused by a worn nozzle. Replace periodically for best results.

### Low or No Glue Flow

Check that you are using the proper glue for glue gun. Incorrect glue stick sizes and formulations may not work properly in this gun. Check function of the gripping mechanism to the glue gun to insure it is moving the glue stick forward. Make sure that the glue gun nozzle is not clogged - if glue gun is left on for several hours without being used, a build-up of adhesive can collect in the orifice of the nozzle. It may restrict flow of glue from the gun, as well as cause pressure buildup which induces back-melt.

### Jammed Glue Sticks

Glue sticks can jam in the applicator. This may occur when very soft or rubbery glue sticks are used, a high temperature glue stick is used in a low temperature glue gun, or when the glue gun is used intermittently or has been idle for a long period of time. There may also be an appearance of jamming if the nozzle is worn or dirty, and glue cannot flow freely through the nozzle. To resolve, make sure you are using the correct glue stick for your glue gun and your application. Check nozzle to insure it is free of charred glue, and replace if necessary.

### Glue Surges

Glue surges may occur each time the trigger is squeezed or the Stroke Adjuster is open all the way. To prevent glue surges, fine tune the glue flow by adjusting the Stroke Adjuster at the back of the glue gun. Loosen the lock nut on the valve by turning clockwise. While squeezing trigger, adjust Flow Control Valve to satisfactory flow (turn counterclockwise to reduce glue flow). Once proper flow is achieved and gun is fully heated, squeeze trigger slowly until hot melt material begins to flow from the nozzle.

### Replacing Nozzle

**WEAR HEAT RESISTANT GLOVES, SAFETY GLASSES, LONG SLEEVE SHIRT AND PANTS WHILE REPLACING NOZZLE. Do not use excessive force when removing the old nozzle assembly or installing the new one.**

Replace nozzle if glue drips excessively. Do not attempt to change nozzle when glue is cold. To change, the gun must be heated until the glue is softened enough to remove the nozzle (about 1-2 minutes). Use gloves and with a wrench remove old nozzle. Flush glue through the gun, to clean the melting chamber. Replace with a new nozzle. Tighten until only snug. Do not over tighten. Nozzle is suggested to be replaced regularly to ensure a good flow of glue.

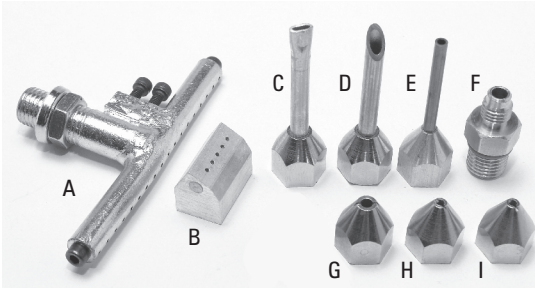
### Hot Melt Glue Sticks - Formula Descriptions

Product	Application	Open Time	Adhesive Color
#601	Low Melt for sealing corrugated cartons	5 seconds	Tan
#701	Fast-Setting carton sealing adhesive	15 seconds	Tan
#702	Very-fast setting carton sealing adhesive	5-10 seconds	Tan
#707	High-Performance for difficult to bond	30 seconds	Clear
#708	High Strength for carpet backing	40 seconds	Tan
#711	Fast-Setting carton and porous adhesive	10 seconds	Tan
#725	All-Temp, All-Purpose adhesive	60 seconds	Clear
#727	New economical alternative to #725	60 seconds	Clear
#735	High-strength for wood, plastics, metal	25 seconds	Amber
#738	General Purpose for wood, carpet	15 seconds	Light Brown
#739	High-strength for wood, auto body	25 seconds	Amber

Glue Stick Size = 5/8" Diameter (10" length available)

### Specialty Interchangeable Nozzles for Industrial Glue Guns

- A) "T" Nozzle #6032
- B) Block Ribbon Nozzle #102
- C) .053 Flat Extension #103F
- D) .125 Round Extension #103R
- E) .080 Needle Extension #103N
- F) .160" Check Valve #101
- G) .125 cap #103CS-125
- H) .090 cap #103CS-090
- I) .076 cap #103CS-076



**Note:** all nozzles must use check valve adaptor #101

## IMPORTANT SAFETY INSTRUCTIONS (continued)

Plug the glue gun into any AC outlet with required specifications. If an extension cord must be used, use a heavy duty extension cord that complies with all state and local electrical codes. Keep glue gun cord away from heat, solvents, sharp edges and objects, or anything that might cause damage.



If cord becomes damaged, a qualified electrical technician should replace it. Unplug after use. Do not keep glue gun plugged in and unused for more than 2 hours, otherwise degradation of the adhesive and charring of the nozzle can occur. **If gun has not been used for more than 30 minutes or longer, squeeze trigger several times to expel old glue from gun before working on application again.**

**Do not remove the glue stick from the back of the tool at any time.** This may cause molten adhesive to flow from the opening of the tool causing burns or permanently damaging glue gun. Use only glue sticks recommended for your application.

### ⚠ WARNING

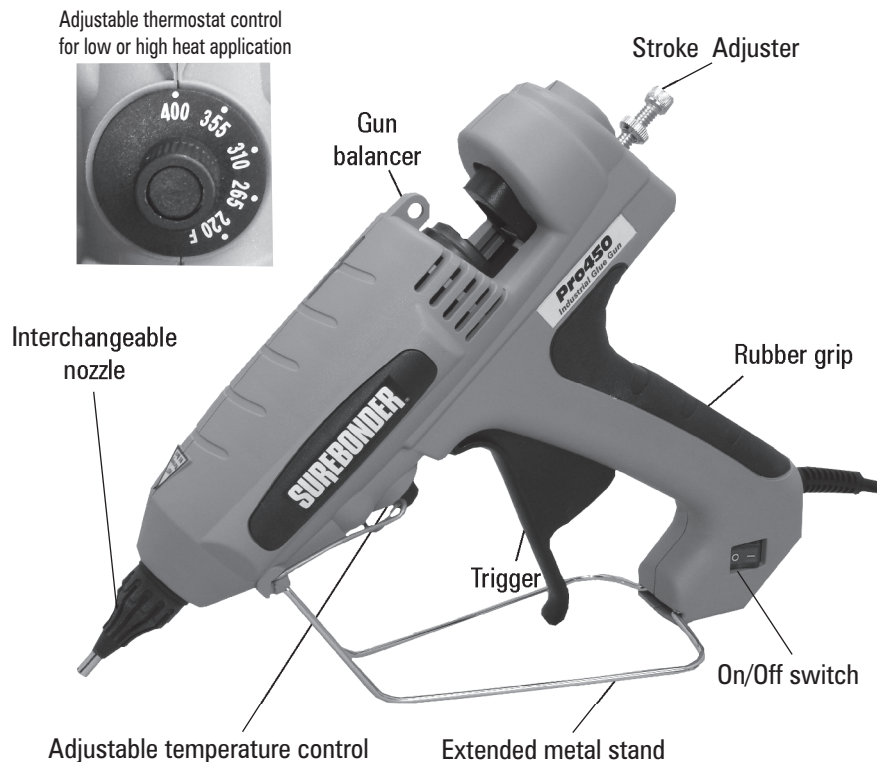
When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify this plug in any way.

**WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. (This warning is given in compliance with California's Proposition 65.)

**Save this manual and have it available for tool operators reference!**

## Features

- 400 watts for greater glue output than other glue guns
- Lightweight and durable body
- Adjustable thermostat control for high temperature (400°F) or low temperature (220°F)
- Interchangeable nozzle
- Lighted On/Off power switch
- Unique trigger and rubber grip handle with ergonomic design
- Stroke adjustment option allows user to preset the amount of glue output
- Integrated gun balancer mount hole
- Extended metal stand for extra stability



## OPERATION

1. Plug the glue gun into any AC outlet with required specification; red light on means the power is on.
2. Allow the tool to heat for approximately 2-3 minutes. Insert a 5/8" adhesive glue stick into the back of the gun.
3. When the gun is fully heated, squeeze the trigger slowly, until the melted glue begins to flow from the nozzle. Release the trigger to stop the glue flow.
4. The output volume of the glue can be adjusted by adjusting the stroke adjuster screw.
5. Different nozzle tips are available for different gluing applications and output amount.

### Save these safety rules for future use:

1. It is normal for this tool to become quite warm during use. This is normal and does not indicate a problem.
2. The glue gun should be unplugged after use or if it will not be used within a 2 hour period.
3. If you accidentally touch the molten hot glue, immediately immerse the affected area in cold water and call a doctor. The injured area should be attended by a medical professional.
4. Some materials are heat sensitive and can be damaged by the hot nozzle or even the hot glue. Whenever possible, test a piece of scrap material or a hidden portion of the object being repaired.

### Shutting down your Industrial Glue Gun

Turn glue gun off by switching the switch to the "off" position.

Unplug the glue gun from the power source.

Wait one minute for the gun to begin cooling, squeeze trigger 3 or 4 times to clear nozzle of melted glue and advance glue stick into the melting chamber. This will allow a quicker startup the next time the glue gun is used.

Allow glue gun to cool in its normal vertical position, after 60 minutes it should be cool enough to put away.

### Preventive Maintenance

For best results, use only Surebonder® 5/8" diameter glue sticks.

**DO NOT pull glue stick out of the back of the glue gun or tilt glue gun back,** this may cause glue to flow out back of glue gun, causing a condition called "back-melt." Back-melt can cause skin burns and/or permanent damage to the glue gun.

### Technical Data

Glue Stick Size = 5/8" (.625") Diameter (10" length recommended)

Heating Power = 400 Watts

Operating Temperature = Variable between 220°F and 400°F

Weight = 1.75 lbs.