

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 and RYOBI BATTERY CHARGER KIT INCLUDED WITH YOUR PRODUCT FOR THIS WARRANTY TO BE VALID. WARRANTY IS VOID IF OTHER TYPES OR BRANDS OF GLUE STICKS AND/OR CHARGERS ARE USED.

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SUREBONDER®

Hybrid-120 **18V LITHIUM Cordless/AC Coded** **Industrial Glue Gun**



Includes: Hybrid-120 Glue Gun, AC Power Cord

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. 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 charger/cord 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 turned off after each use. 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 glue gun to air cool only.

BATTERY/CHARGER:

Before using battery charger, read all instructions on your battery charger, battery pack, and glue gun instructions. **Use P128 Ryobi 18V One+ Lithium-Ion battery and charger with Hybrid-120 glue gun or Ryobi Battery/Charger Products recommended in manual. These products are available at Home Depot Stores (www.homedepot.com).**

Do not disassemble charger or operate charger if it has been damaged in any way.

Do not expose battery or recharge battery in damp, wet, rain or snow conditions. If battery is damaged, do not insert into charger. Battery may short or fire may result. Charge only Ryobi approved rechargeable batteries. Charge battery pack in temperatures above 40°F and below 105°F. Store tool and battery pack where temperatures will not exceed 120°F. This will prevent damage to the battery.

(warnings continued on next page)

Troubleshooting

Troubleshooting tips and solutions to improve performance and productivity of your tool.

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. See "Replacing Nozzle" below.

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, or 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 7/16" (.43") standard glue stick for your glue gun and your application. Check nozzle to insure it is free of charred glue, and replace if necessary.

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 or if using different application nozzles. Interchangeable nozzles sold separately.

Change nozzle when glue gun is warm (not hot or cold, only warm). Turn gun on until the glue is softened enough to remove the nozzle (about 1-2 minutes). Use gloves and (if necessary) a wrench to twist off old nozzle gently. Melt any remaining glue through the gun to clean the melting chamber. Replace with a new nozzle. Tighten until only snug. Do not over tighten. We suggest replacing nozzle regularly to ensure a good flow of glue.

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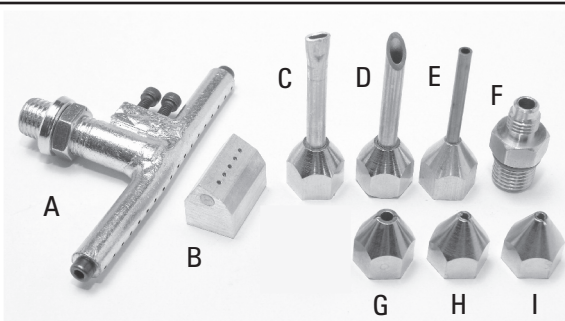
Hot Melt Glue Sticks - Formula Descriptions

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
#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
#925	Vinyl, tack strip, and difficult substrates	60 seconds	Clear

Glue Stick Size = 7/16" (.43") Standard (10" or 15" lengths)

Specialty Nozzles Available

- 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) Check Valve Adaptor #101
- G) .125 cap #103CS-125
- H) .090 cap #103CS-090
- I) .076 cap #103CS-076



Note: all nozzles need the check valve adaptor #101(F)

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IMPORTANT SAFETY INSTRUCTIONS (continued)

⚠ WARNING

Battery leakage may occur under extreme usage or temperature conditions. Avoid contact with skin and eyes. Battery liquid could cause chemical burns. Avoid contact with skin and eyes. If there is contact, wash quickly with soap and water and contact medical attention.

Place charger on flat non-flammable surfaces and away from flammable materials when re-charging battery pack. Charger and battery pack heat during charging. Carpeting and other heat insulating surfaces block proper air circulation which may cause overheating of the charger and battery pack.

BATTERY CARE: When batteries are not in tool or charger, keep them away from metal objects. Do not place batteries in a toolbox with nails, screws, etc. Fire or injury may result.

BATTERY DISPOSAL: Lithium-Ion Batteries must be collected, recycled or disposed of in an environmentally sound manner. Please call 1-800-8-BATTERY for info on Li-ion battery recycling and disposal bans/restrictions in your area.

EXTENSION CORDS: When using an extension cord, have an adequate size conductor that is capable of carrying the current necessary for your tool. Grounded tools must use 3-wire extension cords that have 3-prong plugs and receptacles.

⚠ WARNING

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 battery charger manual and have it available for tool operators reference!

Features

Cordless Features:

- 18 Volt, 120 Watts
- Uses Ryobi P128-18V One+Lithium-Ion battery and charger kit

Corded Features:

- 120 Volt, 120 Watts
- Uses 8 ft. AC Power Cord

Technical Data

Glue Stick Size - 7/16" (.43") Standard (10" and 15" lengths)

Cordless Heating Power - 18 Volt, 120 watts

Corded Heating Power - 120 Volt, 120 watts

Operating Temperature - 193°C / 380°F

Glue Gun Weight - 1.45 lbs.



Hybrid-120Kit Includes: Hybrid-120 Glue Gun, P-128 Ryobi 18V Lithium-Ion One+ Compact Battery & Charger, and 8ft. AC Power Cord



Batteries Sold Separately at Home Depot Stores

- P102 Ryobi 18V Lithium-ion+ Compact Battery, 1 hour use
- P108 Ryobi 18V Lithium-ion+ High Capacity Battery, 4 hour use

Chargers Sold Separately at Home Depot Stores

- P117 Ryobi 18V Lithium-ion+ 1 hour charger
- P125 Ryobi 18V Lithium-ion+ 1 hour, 6 port charger

OPERATION

Introducing our New Versatile Hybrid-120 Cordless/Corded Industrial Glue Gun! The Hybrid-120 can be used as a cordless glue gun or with the option to use an AC power cord. The cordless feature provides versatility to go anywhere and powered by a high performance 18-Volt Lithium-ion compact battery. Allows up to 1 hour of continuous cordless operating time. For corded use connect the 8 foot AC power cord into 110-120 volt outlet for applications that require longer continuous use. The Hybrid-120 uses a PTC heating system that gives you consistent working temperature and longer run time.

Preparing for Use:

- For Cordless Use:** 1. Read and follow all instructions on your 18 Volt P128 Ryobi Battery and Charger. Slide battery into bottom of glue gun and lock into place. Turn glue gun on by switching the battery power switch to the "on" position. Power indicator light will turn blue.
- For Corded use:** 1. Turn battery power switch to "off" position. Attach your AC adaptor female plug into glue gun and male plug into a 110-120 volt outlet. Power indicator light will turn red.
2. Allow the tool to heat up for approximately 5-8 minutes. Insert a 7/16" (.43") standard glue stick into the back of the glue 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. Different nozzle tips are available for different gluing applications and output amount.
 5. Battery operating time is approximately 1 hour based on suggested battery capacity, P102 Ryobi 24WH 18 Volt battery. For increased battery operating time use the P108 Ryobi high capacity battery, 4 hour use. Sold at homedepot.com.
 6. On/Off switch for battery use only. Not needed for corded use.
 7. Power Indicator Light will turn off when battery needs recharging. **Recharging Battery:** Read and follow all instructions for the P128 battery/charger before recharging your battery.

Important Glue Gun Safety Information:

1. It is normal for glue gun to become warm during use.
2. The glue gun should be turned to the "off" position after each use.
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.

Turning Off your Industrial Cordless/Corded Glue Gun

Cordless: Turn glue gun on/off switch to the "off" position. **Corded:** Turn glue gun off by unplugging a/c cord from power outlet. To further ensure battery is not on, make sure power indicator light is off. 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 store away.

Preventive Maintenance

For best results, use only Surebonder® 7/16" (.43") standard 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.