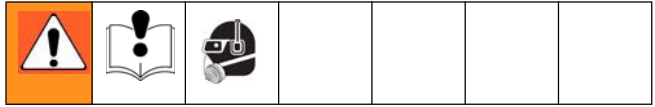


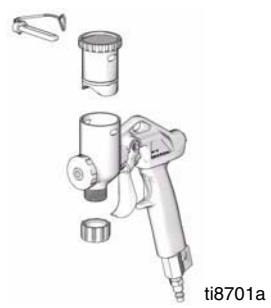
Setup

Important	
<ul style="list-style-type: none">• If you are going to stop spraying for more than 5 minutes, turn sprayer off to prevent shortened pump hose life.• Do not allow material to dry inside pump, hoses, gun or spray system.	

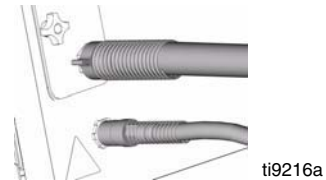


Texture Spraying (material supplied from unit)

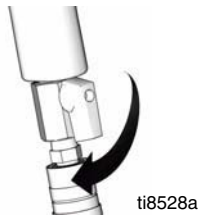
When using material supplied from unit, insert the Gun Plug in the top of the gun. Hose plug must be removed from bottom of gun.



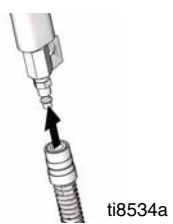
1. Connect air hose and material hose to sprayer air and material hose outlets.



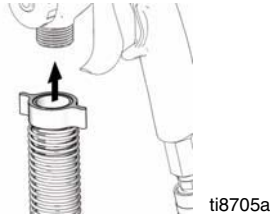
2. Open air valve.



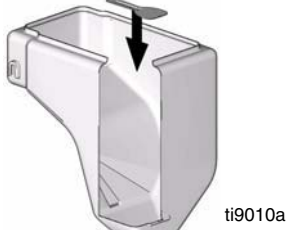
3. Connect air hose to gun.



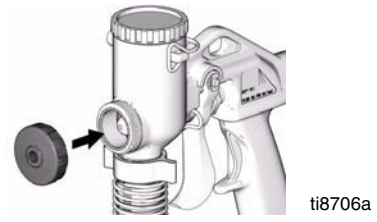
4. Connect material hose to gun.



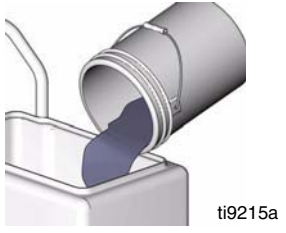
5. Make sure burp guard is installed, **Caution**, page 3.



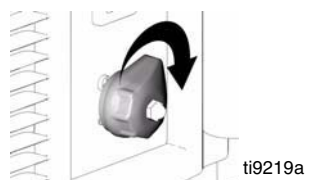
6. Install spray nozzle. See **Recommended Nozzle Selection Chart**, Page 11.



7. Fill material hopper with 1 gallon of water.



8. Turn hopper gun/spray gun selector switch to **SPRAY GUN**.

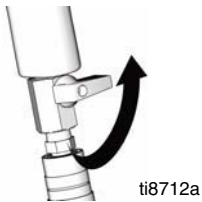


Setup

- Turn power switch ON.



- Close gun air valve.



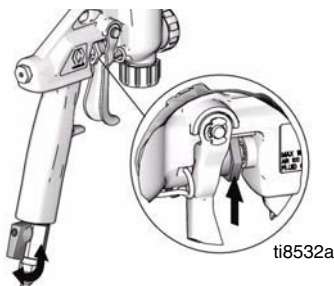
- Point gun into waste bucket and pull trigger to pump water through the system. Continue to trigger gun until material hopper is empty.



- Add pre-mixed texture mix to material hopper. See Mixing Material, page 10.

- Continue to trigger gun and spray into waste bucket until a steady stream of material sprays out of gun.

- Release trigger. To achieve uniform spray pattern, adjust air valve and flow adjustment nut on gun. If you do not achieve the desired pattern, change nozzles, page 11.



Fluid flow will be restricted if the material hose is kinked.

Touch Up Hopper Attachment

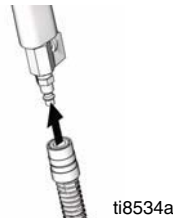
CAUTION

Failure to change selector switch to Hopper Gun when using hopper gun will damage pump hose.

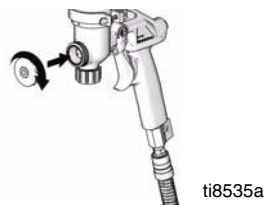
The Hose Plug must be securely fastened to bottom of gun when using the Touch Up Hopper. Gun plug must be removed from top of gun.



- Connect air hose to sprayer.
- Connect air hose to gun.



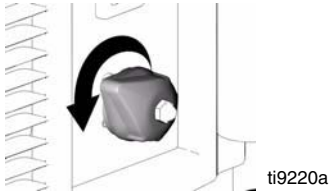
- Slide hopper on top of gun, and tighten clamp.
- Install spray nozzle. Page 11.



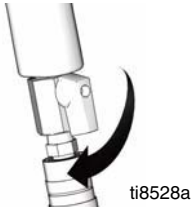
- Fill Touch-up hopper with pre-mixed texture. See Mixing Material, page 10.



6. Turn hopper gun/spray gun selector switch to HOPPER GUN.



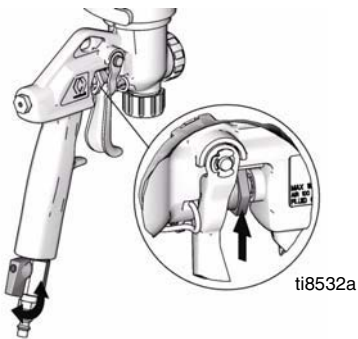
7. Open gun air valve.




8. Turn power switch ON.



9. To achieve uniform spray pattern, adjust air valve and flow adjustment nut on gun. If you do not achieve the desired spray pattern, change nozzles (see page 11).



Mixing Material


 Correct material mixture is essential. The pump will not operate if the mixture is too thick.

Mix the material in a separate container before pouring it into hopper.

Use Material Thickness Gauge to determine mixture is thin enough to spray.

*The Material Thickness Gauge will only determine if the material is thin enough to pass through the pump. For some applications or for higher speed spraying, your mixture may need to be thinner.

Dry Mix - 40 lb (18 kg) bag

 For best results, do not use partial bags of material.


1. Carefully mix texture material and water according to manufacturer instructions on bag.



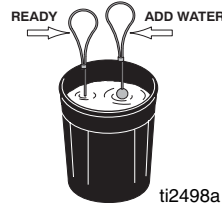
2. Agitate to mix, using a half-inch, variable speed drill with mixing paddle, to a smooth, lump-free consistency.



3. Allow ceiling texture to set for at least 15 minutes. Then remix prior to use.
4. After texture material is thoroughly mixed, gently set ball end of Material Thickness Gauge on surface of mixture.

 For an accurate test, be sure gauge is completely dry and clean every time it is used.

5. Observe the ball on the material. When the material is thin enough to spray the ball will sink completely into the mixture.




6. If the ball does not sink completely into the mixture within 10 seconds, add more water, agitate and try test again.

Premix

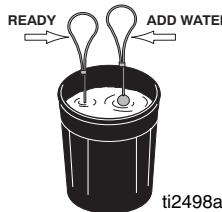
1. Slowly add approximately 2 to 4 qts (1.9 to 3.8 liters) of water to a 5 gallon (18.9 liter) bucket of premix.



2. Agitate to mix, using a half-inch, variable speed drill with a mixing paddle, to a smooth, lump-free consistency.
3. After texture material is thoroughly mixed, gently set ball end of Material Thickness Gauge on surface of mixture.

 For an accurate test, be sure gauge is completely dry and clean every time it is used.

4. Observe the ball in material. When the material is thin enough to spray the ball will sink completely into the mixture.



5. If the ball does not sink completely into the mixture within 10 seconds, add more water, agitate and try test again.

Spray Techniques

Recommended Nozzle Selection Chart

Application	Nozzle Size ²	Air Volume ¹
Simulated Acoustic	6 mm, white <i>(fine to medium)</i> 8 mm, gray <i>(coarse)</i>	medium to high
Orange peel	4 mm, beige, 6 mm, white	medium to high
Splatter coat	6 mm, white 8 mm, gray	low to medium
Knockdown	8 mm, gray 12 mm, black	low

¹Control air volume with gun air valve.

²For more material volume try a larger nozzle.

Adjusting the System

Sufficient fluid output (volume and pressure) and good atomization is a balance of atomizing air, material thickness/material flow and nozzle selection. Achieving the correct balance for your application requires experimentation to achieve desired results. Keep in mind these important points when adjusting gun:

- Select proper nozzle for your application. See Nozzle Selection Chart. Remember, the larger the nozzle, the heavier the pattern.
- Start sprayer with gun air flow valve completely open. If needed, slowly close gun air flow until you get a good spray pattern. Use minimum amount of air at spray gun to achieve proper spray pattern and to minimize bounce back.
 - + Test spray pattern on cardboard. Hold gun 18 to 24 in. (45.7 to 60.9 cm) from surface. Use this spraying distance for most applications.
- Air and material flow adjustments are made at the gun on all units. RTX 1250 units have a material flow control selector knob (L).
 - + Opening air valve increases air flow through gun, which decreases texture material flow through pump.
 - + Closing air valve decreases air flow through gun, which increases texture material flow through pump.

To Get Less Material

Try one or a combination of these methods:

- Open air valve.
- Turn gun flow adjustment nut to decrease flow, counter-clockwise.
- Use smaller nozzle.

To Get More Material

Try any one or a combination of these methods:

- Close air valve.
- Turn gun flow adjustment nut to increase flow, clockwise.
- Use thinner material mixture.
- Use a larger nozzle.

Preventing Material Surge at Gun Trigger

Pressure will build up in the system when you stop triggering the gun. To prevent material surge at initial gun triggering:

- Point gun away from surface you are spraying when you first pull trigger.
- When you first start to spray, hold the gun away from the surface and gradually work your way closer to it.
- Keep gun moving.
- After you begin spraying, trigger the gun as little as possible.


For Continuous Spraying

Use trigger lock to hold trigger open and reduce fatigue.

Check Material Consistency Periodically

Check and thin material as needed to maintain proper consistency. The material may thicken as it sits and slow down production. Agitate periodically.

Shutdown and Cleanup

 Keep pump and hose clean when switching between simulated acoustic, knockdown and orange peel applications. A dirty pump can release particles of texture into the finish.

CAUTION

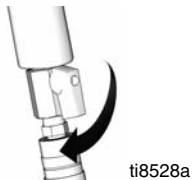
- To increase pump life, turn power off when not spraying.
- Before removing material hose be sure pressure is relieved and material is not in hose.
- To keep unit in good operating condition, always clean it thoroughly and prepare it properly for storage.



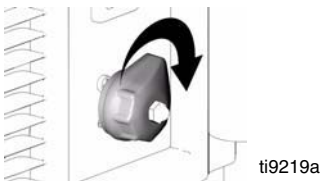
Texture Spraying (8-10 gallon Material Hopper)

When you have finished spraying:

1. Open gun air valve.



2. Make sure hopper gun/spray gun selection switch is turned to SPRAY GUN.

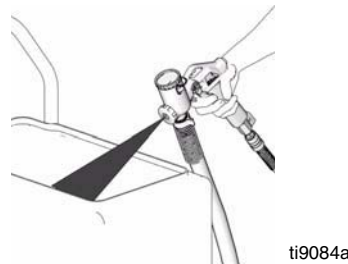


3. Turn power switch ON.




4. Close gun air valve.
5. Trigger gun into bucket until most of texture mix is pumped out.
6. Fill material hopper with 2-4 gallons of clean water.

7. Spray inside material hopper to circulate water through gun and hose. While circulating water, use gun to clean material hopper.



8. Partially open gun air valve to use air to achieve better cleaning results.
9. Spray water into a waste bucket to empty material hopper.

 A soft brush can be used to loosen dried on material.

10. Turn power switch OFF.
11. Open gun air valve. **Relieve Pressure**, page 6.

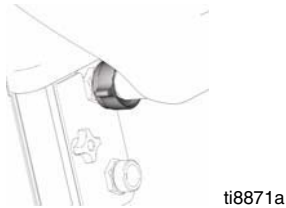
CAUTION

If water freezes in unit damage may occur. In cold weather store system where it will not freeze.

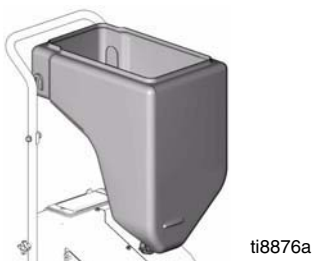
Removing Material Hopper From Sprayer:

The material hopper can be removed for cleaning. To remove material hopper:

1. Loosen bottom fitting.



2. Lift material hopper straight up, off unit.



3. Plug opening on bottom of material hopper with your hand.
4. Take hopper to cleaning area.

To Reassemble:

1. Place material hopper on sprayer, aligning fitting to sprayer.
2. Hand tighten fitting.

Touch-up Hopper Attachment

When you have finished spraying, perform the following steps:

1. Shut off compressor. Disconnect air line from gun.
2. Drain material into a bucket until most of the texture material is out of hopper.



3. Fill hopper with clean water. Remove nozzle from gun and allow water to flow through and out of gun.
4. Flush until gun is clean


5. Turn power switch ON.



6. Open gun air valve.



7. Trigger gun to blow air through tip, clearing out any remaining material.
8. Remove hopper from gun and finish cleaning all components. A soft brush may be used to help loosen any dried on material from surface.

 Be sure to keep air passages in needle clean and free of material.

To improve working condition for future use, after cleaning, apply a few drops of light oil to:

- Air hose quick disconnect
- Material hose connections
- Flow adjustment on gun


Transporting the Sprayer

The handle and hopper can be removed from the sprayer for storage or transporting.

To remove hopper from sprayer, follow the procedure described on page 13.

To remove the handle:

1. Loosen two (2) wing-nut screws on either side of handle.
2. Spread handle apart and remove.

 The handle is only to be used to push or pull the sprayer.

Troubleshooting



Problem	Cause	Solution
Sprayer won't run	Power switch not on	Turn switch on.
	No power at wall outlet	Check outlet by plugging in another appliance. If appliance does not work, try another outlet.
	Wrong size generator	Use a 3500 watt or larger generator. Refer to Generator Requirements, page 6.
	Breaker tripped	Reset breaker.
Pump won't pump material	Air lock	Open air valve on gun.
	Selector switch in wrong position	Move selector switch to correct position for application.
	Mix too thick	Add water to thin material. Use Material Thickness Gauge.
	Loose fittings	Check and retighten all fittings.
	Plugged gun	Relieve Pressure , page 6. Remove gun from hose. Clean gun.
	Pump hose worn out	Replace hose. Recommended hose replacement - once every year.
	Pump cold	Move pump to warm room and allow it to warm up or run hot water through sprayer.
Material runs out of bottom of sprayer	Pump hose worn out	Replace hose.
	Loose fittings	Check and retighten all fittings.
No air from compressor	Gun air valve closed	Open gun air valve.
	Low voltage	Check extension cord length and gauge. Replace if different than recommended. Refer to Grounding and Electrical Requirements, page 6.
	Gun needle plugged	Clean needle and retry.
	Worn compressor	Replace compressor. Contact a qualified Graco Service Center.
	Lines not connected	Check all quick disconnect connections to gun and hoses.
	Damaged hose	Replace hose.

Problem	Cause	Solution
Speed of application slow or slower	Material too thick	Thin material.
	Nozzle too small	Change nozzles to a larger size. See Recommended Nozzle Selection Chart, page 11.
	Too much air being used.	Partially close gun air valve to reduce air flow.
	Pump hose worn	Replace hose.
	Plugged or dirty gun	Relieve Pressure , page 6. Clean gun.
	Kinked hose	Unkink hose.
	Gun adjustment set too low	Increase flow adjustment with flow adjustment nut.
	Too many items on same circuit	Unplug other items from circuit.
	Extension cord too long or wrong gauge	Use a different extension cord. Refer to Grounding and Electric Requirements, page 6.
Intermittent flow/sputtering	Hopper connection not tight	Check gasket. Tighten connection.
	Debris in system	Clean system.
Quick disconnect does not stay connected.	Dirty or corroded fitting	Clean thoroughly. Soak in oil. Apply a few drops of light oil.
Gun will not shut off	Worn nozzle or needle.	Relieve Pressure , page 6. Replace worn parts.
	Debris in needle passage	Relieve Pressure , page 6. Clean.
Fluid leaking at Flow Adjustment Nut	Damaged seal.	Relieve Pressure , page 6. Replace seal.
Fluid leaking out of either plug	Missing or damaged o-rings	Relieve Pressure , page 6. Replace o-rings.
	Gun damaged	Replace gun.
Needle adjustment won't adjust	Dirty threads	Clean threads.
	Nozzle not on gun	Put nozzle on gun.