

# **PROTAL AIR CARTRIDGE GUN (1000 ml)**

**For Spraying Protal 7200 / 7900HT Cartridges (1000 ml)**

## **Description**

The Protal Air Cartridge Gun is designed for use where fast and easy setup, no clean up, minimal material waste and minimal equipment maintenance is needed. It is based on a reliable design with proven dependability and service. The Protal Air Cartridge Gun has a quick connect/disconnect hose assembly for easy attachment of air lines to the spray manifold. The atomizer air line is also equipped with built in air flow regulator and pressure gauge to properly control the air flow and spray pattern. Protal Repair Cartridges should be heated to approx. 120°F to 130°F (49°C to 54°C) to ensure optimal spray results.

## **Features**

- Low cost, easy to use, lightweight and portable
- Uses a spray manifold/static mixer assembly
- Dispensing is accomplished with an economical modified air gun that provides controlled dispensing
- Added control of airflow volume and pressure allows for optimal material mixing and atomization



Protal Air Cartridge Gun (1000 ml)  
(Straight and 90° Angle Mixing Tips Available)

# Recommended Application



## 1.0 Air Supply

1.1 Confirm the quick-disconnect fitting is the proper size for your air supply hose. Other fittings may be substituted if needed.

1.2 Attach air supply hose to the compress air inlet. Minimum of 14 CFM air compressor is required. The air supply pressure should be 90 - 110 psi (0.6 - 0.7 MPa).

1.3 The air must be well conditioned to remove moisture from the air stream.

## 2.0 Prepare & Insert Cartridge in Gun

2.1 Heat and check temperature of "Part A" Protal Repair Cartridge to approx. 120°F to 130°F (49°C to 54°C) in a 1000 watt microwave with a turntable, convection oven, weld rod box or other methods. (Do not overheat and verify temperature with an infrared gun, by checking the large tube, Part A, at multiple locations).

2.2 Cartridge shall be shaken by one of the two following methods:

Preferred Method - Clamp cartridge in paint shaker, with end cap up, and shake for approximately 30 seconds.

Alternate Method - By hand, shake cartridge well, with the end cap facing up, for approximately 30 seconds.

After shaking the cartridge, recheck the temperature of the "Part A" (Large tube) to verify it has reached 130°F

(54°C) to 140°F (60°C).

2.3 Place the bell end of the static mixing tip over the cartridge outlet. Press firmly to seat the tip.

2.4 Tighten the lock assembly clockwise onto the cartridge outlet and tighten securely until it snaps in place.

2.5 Before installing cartridges into gun, hold gun in an upright position while pointing the nozzle in a safe direction away from yourself and other personnel. This will reduce the chance of material drooling into the mixer bell housing causing premature cure of material in mixer.

2.6 Place the large end of the cartridge assembly (piston seal end) over the two ejector plates of the applicator, pushing the cartridge assembly towards the air cylinder, snapping the cartridge into place. Ensure that the cartridge assembly is properly seated in cradle of gun and ejector plates and rod assembly are properly aligned in applicator.

2.7 Connect quick-lock coupling air hose firmly onto the mixing tip air inlet.

## 3.0 Using the Protal Air Cartridge Gun

3.1 Set fluid setting dial to #2 to #3. This may vary depending on the product temperature.

3.2 Adjust the atomizing air pressure dial to #4 to #5. This may vary depending on the product temperature.

**Note: When spraying with right angle tip, it may require an increase in air pressure.**

3.3 Purge cartridge and nozzle by first pulling the trigger half-way, just long enough to fill the mix nozzle with material.

3.4 Continue purging away from the substrate by pulling trigger back completely. Purge for a few seconds

until one uniform color is achieved. Without stopping, begin spray application. Prior to stopping, move away from the substrate and then release the trigger.

**Note: Any time the spray application is stopped, the cartridge shall be purged prior to beginning the next application.**

**Note: It is recommended to stop spraying with approximately ½" (12.5 mm) material in the cartridge to eliminate potentially unmixed product.**

## 4.0 Remove Cartridge From Gun

4.1 Press the red button to retract the ejector plates from the cartridge.

4.2 Disconnect quick lock coupling on air hose from mixing tip air inlet.

4.3 Partially-used cartridges may be reused by removing and discarding the mixing tip, wipe clean and resealing the cartridge with the original plug and nut assembly. Be sure to re-align the plug according to the A and B compounds.

**Note: Refer to the Protal 7200 SDS (Parts A and B) and applicable regulations or authorities for waste disposal.**

## 5.0 Cleaning

5.1 Wipe off excess coating material with a clean rag and a small amount of solvent, avoiding getting solvent on regulator and piston housing.

## 6.0 Troubleshooting

6.1 Contact a Premier Coatings representative for help.



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