

# **PROTAL™ AIR CARTRIDGE GUN (1000 mL)**

**For Spraying Protal™ 7200 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 atomiser 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 135°F (49°C to 57°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 atomisation



Protal™ Air Cartridge Gun (1000 mL)  
(Straight and 90° Angle Mixing Tips Available).



# 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 to 110 psi (0.6 - 0.7 MPa).

## 2.0 Install Cartridge In Applicator

2.1 Heat and check temperature of "Part A" Protal™ Repair Cartridge to approx. 120°F to 135°F (49°C to 54°C) in a microwave, convection oven, weld rod box or other methods. (Do not overheat and check with an infrared gun).

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

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

2.4 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.

2.5 Place the large end of the cartridge assembly (piston seal end)

over the two ejector plates of the applicator, pushing the cartridge 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.

2.6 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 #4.

3.2 Adjust the atomizing air pressure dial to #3 to #5.

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 Pull trigger completely to begin spraying. Release half-way to temporarily stop spraying. Release trigger completely when cartridge is empty.

4.0 Remove Cartridge from Applicator

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 Denso representative for help.

Note: *The manufacture continues to make improvements to the spray gun so pressure settings may vary.*



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