

# Protal™ 7200 / 7900HT Air Cartridge Gun (1000 mL) Recommended Application Procedures

## STEP 1

## SURFACE PREPARATION

Prepare the surface by removing all loose scale, rust or any other foreign matter in accordance with SSPC SP-10 "Abrasive Blasting". Refer to the Protal™ Application Specification Guide for additional information.



## STEP 2

## ATTACH AIR SUPPLY

Attach the air supply hose to the air gun. Minimum 14 CFM (425 L/m) air compressor is required. The air supply pressure should be 90 - 110 psi (0.6 - 0.7 MPa).

**Note:** Air must be well conditioned to remove moisture from the air stream.



## STEP 3

## REGULATE AIR PRESSURE

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

**Note:** Yellow markings are to highlight specific areas and do not appear on the actual gun.

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



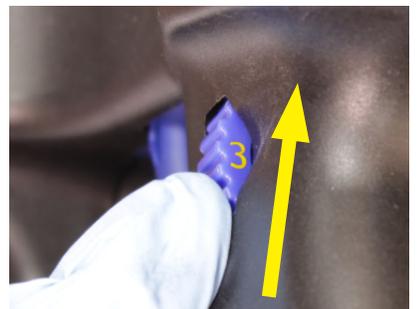
## STEP 4

## ADJUST FLUID PRESSURE

Adjust the fluid pressure dial to #2 to #3 by scrolling up on the side wheel shaped dial, near the trigger.

**Note:** Yellow markings are to highlight specific areas and do not appear on the actual gun.

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## STEP 5

### HEAT CARTRIDGE

Using a 1000 watt microwave with a turntable, heat the cartridge to 120°F (49°C) to 130°F (54°C). Flip cartridge half way through the heating process to maintain an even temperature throughout the cartridge. Verify temperature with an infrared temp-gun by checking the Part A (Larger tube) at multiple locations.

**Note:** 1 minute will heat the cartridge approximately 20°F (-6°C).



## STEP 6

### SHAKE CARTRIDGE

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).



## STEP 7

### ATTACH MIXING TIP

Remove cartridge end cap by unscrewing and pulling up. Push the static mixing tip over the cartridge outlet, ensuring the 2 legs are properly seated and screw the nozzle cap to tighten and lock in place before installing into the gun.



## STEP 8

### INSERT CARTRIDGE & ATTACH AIR

Hold the air cartridge gun in an upright position (away from yourself and others) before installing the cartridge. Insert the cartridge, making sure it fits securely by snapping it into place. Connect the "quick lock adapter" on the air hose firmly onto the static mixing tip.

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## STEP 9

### PURGE CARTRIDGE

Purge cartridge and mixing tip by first pulling the trigger half-way, just long enough to fill the static mixing tip with material. Continue purging away from the substrate by pulling trigger back completely. Purge for a few seconds until one uniform colour is achieved.



## STEP 10

### SPRAY CARTRIDGE

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.



## STEP 11

### REMOVE CARTRIDGE FROM GUN

Press the red button to retract the ejector plates from the cartridge. Disconnect quick lock coupling on air hose from mixing tip air inlet. 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.



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