

CV & INDUSTRIAL PAINTING: TIPS FOR CORRECT PRESSURE POT SETUP

These four vital tips will help the applicator achieve the best outcome when applying paint with a pressure pot, achieving the best possible paint finish.

TIP 1: Gun Type and Nozzle Size

HVLP or pressure pot spray guns are recommended. The nozzle tip size recommended for higher viscosity primers is 1.4 mm and 1.2 mm for lower viscosity etch primers and topcoats.

TIP 2: Adjusting Fluid Pressure

Always adjust the fluid pressure by winding in, holding the trigger until you have a consistent solid stream of paint with a slight arc. If the fluid pressure is above 20 psi, a nozzle tip size between 1.2 -1.4 mm is recommended. If the fluid pressure is less than 10 psi, then a nozzle tip size of 1.0-1.2 mm is recommended. Please note, that there are pressure pots which are not supplied with an adjustable fluid pressure gauge, the pressure in this case is adjusted at the spray gun.

TIP 3: Adjusting Air Pressure

Air pressure is adjusted by turning the dial either in or out until the spray fan is consistent and even in application. For finer spray application, the air pressure is increased and fluid pressure is decreased. If the fluid pressure is below 12 psi, then you will need to increase the air pressure. If the air pressure is above 20 psi, then you will need to decrease the fluid pressure.

TIP 4: Cleaning of the Pressure Pot

Always ensure the air supply to the pot is closed, this is important for safety reasons. Once the air supply has been isolated, release the pressure from the pot by using the pressure relief valve. Empty any paint left in the pot. Once the liner has been replaced, fill the pot with the Axalta Multithinner and return the lid back to its place. Slowly increase the fluid pressure (without the use of air pressure) and hold the trigger until the line is completely flushed of any paint, until a clean stream of Multithinner is observed. Ensure the container into which you drain the paint or Multithinner is always grounded.

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