

SPRAY EQUIPMENT REQUIREMENTS

Electric or Gas Powered Hydraulic Airless Sprayers, suggested models include, but not limited to, the following:

Pecora XL-Perm^{ULTRA} VP STPU Vapor Permeable Coating

- Graco Ultra Max 695 Electric Airless Sprayer (3300 psi maximum)
- Titan Impact 740 Electric Airless Sprayer (3300 psi maximum)
- Graco TexSpray Mark V Electric Airless Sprayer (3300 psi maximum)
- Graco GH200 Gas Hydraulic Airless Sprayer (3300 psi maximum)
- Graco DutyMax GH 675DI Gas Hydraulic Airless Sprayer (7250 psi maximum)
 - Due to its increased flow rate (1.5 GPM) and operating pressure (7250 psi), the Graco DutyMax 675DI pump is recommended for large projects requiring high volume spraying.

Pecora XL-Perm^{ULTRA} NP STPU Non-Permeable Coating

- Graco DutyMax GH 675DI Gas Hydraulic Airless Sprayer (7250 psi maximum)

SPRAY EQUIPMENT SPECIFICATIONS

Airless Spray Equipment Specifications	Pecora STPU Air Barrier Coating & Material Temperatures ¹				Notes
	XL-Perm ^{ULTRA} VP		XL-Perm ^{ULTRA} NP		
	≥70°F	<70°F	≥70°F	<70°F	
Minimum Operating Pressure @ nozzle/gun, psi	3000	5000 ²	5000	5000	Installing a pressure gauge at the spray gun may be necessary in order to confirm adequate pressure is being achieved.
Minimum Flow Rate, gpm	0.8	1.5	1.5	1.5	High flow rates will be required for running multiple spray guns.
Minimum Hose Diameter/Maximum Hose Length	½" / 50ft	½" / 100ft	½" / 50ft ½" 50ft + ¾" 50ft = 100ft (¾" hose section @ pump end)	½" / 100 ft ¾" / 100 ft	Heavy duty type hoses required for pressures greater than 4000psi. Whips may be used. Consult Pecora Technical Service for recommendations.
Airless Spray Tip Type	RAC	RAC XHD		RAC XHD	RAC = Reverse-A-Clean XHD = Xtreme Heavy Duty
Recommended Tip Size	519	XHD 519		XHD 523	Tip sizing can vary and will be dependent on the product temperature/viscosity, desired fan width, and flow rate of pump. Tip sizes can range from: 517 to 623. Wider fan patterns and larger orifice sizes will require higher flow rates.

¹ Material temperature will have a significant effect on flow rate and subsequent atomization of the coatings. Low temperature material (<70°F) will require higher pressures in order to achieve proper atomization and consistent spray patterns.

² Higher pump pressure required for >50ft hose lengths.

ACCESSORIES

Material Hopper (Gravity Fed):

- Graco #25D078 (25 gallon) or comparable model, by others
 - Pecora recommends the use of a material hopper in order to reduce material handling and prevent skinning of the moisture cure air barrier coatings. Any skins that form at the exposed surface of the coating have the potential to clog spray tips and cause inconsistent spray patterns and coverages. Polyethylene sheeting should be placed directly over the surface of the liquid coating in order to alleviate any skinning during application. This practice is critical when spraying at elevated ambient temperatures and humidity.

Feed Pump – DRUM ONLY

- Feed pumps allow pumping from sealed drums thus reducing material handling and material skinning.