



Airless Spray Application Recommendations for Conklin Products

Conklin Product	Tip Size min./max.	Tip Pressure (psi) min./max	Recommended GPM Flow	Hose Diameter (in)
Primers				
Encase Metal Primer	.015/.021	2500-5000	1/3+	3/8 - 1/2
Prime Time	.015/.021	2500-5000	1+	3/8 - 1/2
Prime Time Plus	.015/.021	2500-5000	1+	3/8 - 1/2
Tack Coat	.015/.021	2500-3000	1/3+	1/4
Aluminum Coating				
Alumify	.017/.027	2500-4000	1/3+	1/4 - 3/8
Exterior Coatings				
Wall Kote	.021/.040	2500-4000	2+	3/8, 1/2, 3/4
Wall Up	.019/.055	3000-5000	1+	3/8, 1/2, 3/4
Exterior Coatings				
Rapid Roof HV	.025/.055	3000-5000	2+	3/8, 1/2, 3/4
Rapid Roof III	.025/.055	3000-5000	2+	3/8, 1/2, 3/4
Benchmark	.025/.055	3000-5000	2+	3/8, 1/2, 3/4
PUMA XL	.021/.040	3000-5000	2+	3/8, 1/2, 3/4
Activate Silicone	.030/.050	3500 - 5000	2+	7,250 psi Hose
Affinity	.035/.050	3000-5000	2+	3/8, 1/2, 3/4

Choosing the right tip is extremely important for maximum productivity because the tip determines the fluid flow and size of the spray pattern—the fan size. Using the right tip results in maximum control and minimum overspray, which means faster work and less paint usage, which ultimately means finishing the job quickly without wasting paint!

To choose the right spray tip, you need to consider several factors, such as the material thickness, the sprayer's maximum flow rate and the best fan size for the job. Knowing when a tip is worn and why to replace it are also important.

The next time you're selecting spray tips, consider these questions:

How thick is the material?

It's easy to determine which tip size to use when you know the type of material you'll be spraying. Lower viscosity (thinner) materials, such as stain or lacquer, require a spray tip with a smaller orifice or hole size. Heavier materials, like latex, require a tip with a larger orifice. Extremely heavy materials like elastomerics and block filler might require spray tips larger than .035.

To purchase a sprayer, contact:

Roger Crabbs
Paint Pump Pros
Sales & Service
Ph. 515-244-3611
3410 SW 9th Street
Des Moines, IA 50315

What is the sprayer's maximum flow rate?

For optimum performance, the sprayer must have a maximum flow rate higher than the flow rate of the tip, so be sure the flow rate of the tip is less than the maximum flow rate. Why use a tip with a lower flow rate? Because as the tip wears, the orifice becomes larger, and the flow rate increases.

Recommended Tip Sizes for Common Coatings

Material	Tip Size (in.)
Stain or Laquer	.011 to .013
Oil base paint	.013 to .015
Latex paint	.015 to .019
Heavy Latex & Smooth Elastomeric	.021 to .025
Elastomeric and Block Filler	.025 to .035+