

Needle & Viscosity Selection Guide



What Needle Do I Need?

Generally, it is important that you match your needle tip size to the paint type being used, the thickness of the paint and the desired quality of finish. A correct match will ensure a more satisfying result, a better painting experience, a quality job and savings in paint and time.

Selecting the Needle Kit

The Earlex Spray Station 5500 comes standard with a 2.0 mm (0.08 in.) diameter needle and fluid tip. The standard tip is the most versatile and can be used with a wide range of paints. Optional needle sizes available range from 1.0 to 2.5 mm (0.04 in. to 0.10 in.). These are described below.

In general, larger diameter needles and fluid tips are ideal for higher viscosity materials since they allow thicker materials to be sprayed where finish is not of paramount importance. Smaller diameter needles, in contrast, are more suitable for lower viscosity materials ensuring a higher quality finish.

Check your instruction manual (can be downloaded online) for information on selecting the correct spray pattern, paint volume, spraying technique and maintenance tips.

Needle Selection Guidelines

ITEM	Needle Fluid Tip Size	Material Sprayed
101-305 101-306	1.0 mm 1.5 mm	Cellulose, Acrylics, Synthetics, Polyurethane, Thinner Lacquers, Fluorescent, Oil-Based Stains
101-306 101-307	1.5 mm 2.0 mm	Oil base, Hammer, Oxide, Primer, Air Drying, Enamel, Varnish, Marine Paint, Multi-Color, industrial Synthetics, Oil, Polyurethane, Aluminum Thicker Lacquers, Water-Based Stains, Shellac
101-307 101-308	2.0 mm 2.5 mm	Chlorinated Rubber, Oxide, Zinc Rich Primer, Epoxy, Plastic Additives, Floor Paving Paint, Latex

Ideal Viscosity

The HVLP Spray Station 5500 Series is recommended for use with products having a viscosity of up to 60 seconds. Making the paint too thin may lead to extra coats which may not be necessary for the finish you require. However, if you require a high quality finish, then more lighter coats will be beneficial.

Ideal Viscosity

Water Based Paint & Latex 45 to 60 seconds	Varnish - Follow manufacturer's guidelines
Oil Based Paint 45 to 50 seconds	Wood Stain - Follow manufacturer's guidelines
Wood Preservatives No dilution	Cellulose - Follow manufacturer's guidelines
Primer	Follow manufacturer's guidelines



Earlex Spray Station 5500
Item: 101-302