

Understanding Your Viscosity Meter

Using the APOLLO-SPRAY™ viscosity meter is an accurate way of measuring the thickness/viscosity of a coating in order to ensure a fine finish. The viscosity meter will accurately measure many different varieties of materials including, but not limited to: Lacquers, Sealers, Enamels, Stains, Oils and Waterbornes.

TO USE:

Take a stopwatch, the APOLLO-SPRAY viscosity meter and the coating/material/paint to be measured.

- A. Dip the Viscosity meter into the coating.
- B. Start the stopwatch as soon as you pull the cup out of the material.
- C. The coating will run out of the hole in the bottom of the cup in a steady stream.
- D. As soon as you see the FIRST break in the stream, stop the watch.
- E. The time shown is equivalent to #2 Zahn seconds.
- F. Clean the cup and store.

If the time you get is more than the recommend or desired time then you need to thin your material. Use the appropriate thinner to the correct proportion for you mixture. Retest, following steps A-E. Continue to thin until the desired viscosity is reached or until you reach the maximum thinning recommended by the manufacturer of the coating you are trying to spray. For further assistance please call the Apollo technical support line at 888-900-HVLP(4857).

VISCOSITY CUP COMPARISON CHART	
ZAHN #2	FORD # 4
16	5
17	8
18	10
19	12
20	15
22	17
24	19
27	21
30	23
34	26
37	29
41	31
49	36
58	41
66	45
74	51
82	56

VISCOSITY CHART		
Coating	Thin/Reduce	Viscosity in Seconds
Lacquers	25% - 50%	15-22 seconds
Sanding Sealer	20% - 30%	15-22 seconds
Enamels	20% - 40%	16-22 seconds
Stains	use from can	15 seconds
Acrylic Enamel	50% - 60%	15-17 seconds
Catalyzed		
Polyurethane	10% - 30%	15-18 seconds
Polyurethane's		
Varnishes	20% - 30%	16-22 seconds
Waterborne		
Coatings	00% - 10%	24-34 seconds
<p>Viscosity chart should be used as a guide to thinning various coatings. Actual reduction will depend upon model turbine used, flow out properties of the coating and the final visual results of the sprayed work piece. Seconds quoted are measured in a Zahn #2 Viscosity Cup. Always adjust viscosity for best results.</p>		