



Est. 1910

## John C. Dolph Company

### Measuring Cup Viscosity

Here are guidelines to measure viscosity. Using the handle that is brazed onto the cup, it is immersed in the varnish. The cup is lifted vertically out of the varnish and a stopwatch is started. Note: It is important to hold the cup in a vertical position while the varnish is draining. The time it takes for the varnish to drain is measured. The stopwatch should be stopped immediately as the varnish stream breaks – do not wait until all the varnish has drained. Because the temperature of the varnish affects viscosity, you might want to measure the temperature at the same time. On a cold day, the same varnish will take longer to drain from the cup than on a warm day. If you intend to use this to determine if the varnish is in specification, you should perform the measurement at a constant temperature specified on the product data sheet (typically 77 degrees F/25 degrees C). We list below the viscosity comparison chart.

Centipoise	Dolph Cup (seconds)	Centipoise	Dolph Cup (seconds)	Centipoise	Dolph Cup (seconds)
40	7	220	50	460	95
50	11	240	54	480	98
60	15	260	58	500	100
70	19	280	62		
80	24	300	66		
90	27	320	69		
100	32	340	72		
120	36	360	75		
140	40	380	78		
160	43	400	82		
180	45	420	85		
200	48	440	90		