

Spraying Safecoat Clear Finishes

SURFACE PREPARATION: All surfaces must be clean, dry, free from dirt, dust, grease, wax, oil, silicone, tsp/soap, mill scale, oxidation, loose peeling paint or varnish, or any foreign matter/contaminants. Remove all mildew before coating any surface. If more than 25% of old coating has failed, it should be completely removed before applying new coating. Glossy surfaces should be sanded when recoating previously finished areas. Moisture-cured and two-part urethanes may have to be removed before applying Safecoat Clear finishes (apply test patch first).

Wood: Wood staining should be completed before applying finish coats. Sand wood with the grain only. When surfaces have been sanded, dust and vacuum thoroughly to remove debris and then use a damp rag to remove dust before applying finish coats. (Note: tack rags may leave a residue that can interfere with flow and adhesion causing surface defects.) Wood surface may be dampened to raise grain, sanded, and then wiped free of dust before applying stain or finish. Moisture content of wood should be below 12% for best results.

Satin/Matte Finish: For best clarity on wood, apply two thin coats of Safecoat Acrylacq, AcriGlaze or Polyureseal BP Gloss followed by one coat of Safecoat Acrylacq Satin, Polyureseal BP Satin or AcriGlaze Matte.

Safecoat Finish	Acrylacq/AcriGlaze		Polyureseal BP	
	HVLP	Airless	HVLP	Airless
Equipment				
Substrate temperature	70-75°	70-75°	70-75°	70-75°
Coating temperature	70-75°	70-75°	70-75°	70-75°
Pot pressure	←	If applicable 15-25 Lbs.		→
Tip	←	9/1000 - 13/1000		→
Spray pattern	←	FULL		→
Distance from surface	←	10-12"		→
Dry time between coats	At ambient temperatures, 30-60 minutes Cooler temperatures or higher humidity will double dry times			

To improve the flow, the following should be considered:

1. Change air pressure, volume or both. Generally increase pressure and reduce volume.
2. Change needle and nozzle selection. Generally reduce particle size and improve atomization.
3. Change viscosity of material. Generally, the addition of a retarder or diluent can help in improving flow
4. Change temperature of surface, generally moving toward 77° F for air, surface and coating temperatures.
5. Change the distance of the spray gun head to the surface and/or the speed of gun movement. Generally move back from surface and increase speed of gun head.