



## Polyester Sealer

<b>Product name</b>	Polyester Sealer
<b>Product code</b>	E600-100
<b>Color/ Appearance</b>	Transparent liquid (tendant to whiteness)
<b>Descriptions</b>	Wax-free Polyester Sealer; consists of three compounds (three materials) made up of unsaturated polyester resin and some additives making the sealer better for easy sanding. Sealer dries upon interaction between the hardner with the primer in the presence of the accelerator.
<b>Properties</b>	High transparency
	Easy to apply
	High filling strength
	Easy sanding
	Excellent hardness
	High spreading rate
	High solids rate
	It produces a thick, cohesive and highly dense HB layer for the purpose of filling pores and covering wood defects
	High adhesion ability to all kinds of veneer and wood
	High adhesion ability to all kinds of varnishes
<b>Areas of use</b>	Used for processing all types of wood surfaces before it is painted with the final transparent varnish for the purpose of filling the pores of wood, veneer and surface leveling to reduce the rate of wood absorption for the final varnish and for fine appearance.
	It can be used under all types of final varnishes (cellulose - polyurethane - acrylic - acid curing).
<b>Physical properties:</b>	

<b>( KU / 20 ° c ) Viscosity</b>	Ku 100 -105				
<b>Density (g / cm 3, 25 ° C)</b>	1.08:1.06				
<b>Curing time (at 25 ° C)</b>	1 hour				
<b>Surface dry</b>	4-6 hours				
<b>Through dry</b>	6-8 hours (Standrad)				
<b>Dry to sand</b>	10-12 hours ( Winter)				
<b>Minimum time allowed to receive the final paint</b>	12 hours				
<b>Maximum time allowed to receive the final paint</b>	24 hours				
<b>- Coverage rate (Spreading)</b>	10 square meters / 1 liter at 35 microns <b>(other than lost materials)</b>				
<b>Shelf Life</b>	Two years for sealed sealer container ( stored in a cool, dry place and away from direct sunlight)				
<b>Application Method</b>	Wood surface must be sanded and cleaned before spraying the Sealer				
	Sealer to be to be mixed with accelerator and to be thinned by using Polyester thinner and adding the hardener as per described rates				
	Mixture to be sprayed directly on wood surface 2-3 coats reverse spray				
	Wait 30 minutes between each coat				
	Sealer coat to be left 6-8 hours to cure before sanding and for an entire night in winter				
	Sealer surface to be sanded first by sander No (108) then sleeking by No. (360-400)				
	In case of highly porousness wood another sealer coat should be sprayed.				
<b>Preparation instructions</b>					
<b>- Hardner</b>	549-D030				
<b>-Accelerator</b>	549-D020				
<b>- Mixing ratio (weight)</b>	100 Sealer (WEIGHT): 2 Hardner (WEIGHT): 2 accelerator (WEIGHT)				
<b>- Thinner</b>	Acetone - Thinner Poly Ester				
<b>- Thinning ratio</b>	30% by volume (spray viscosity 18 seconds) density cup No. 4				

- Pot Life (at 25 ° C)	30: 35 minutes (higher temperature, means lesser given time)	
-Time between each coat	30 minutes	
- Recommended Wet Film Thickness	Minimum = 160 microns	Maximum 240 = microns
- Dry Film Thickness	Minimum = 50 microns	Maximum 80 = microns
- Spraying tools		
<b>Airless spray gun</b>		
Gun nozzle	0.014 - 0.019 inch	
Pressure	150 Bar : 2100 P.S.I	
<b>Air Spray Gun</b>		
Gun nozzle	1.4 :1.6 mm	
Pressure	3-4 Bar : 40-60 P.S.I	
<p><b>:Note</b></p> <p><b>1-Consider separate the hardener of the accelerator during storage to avoid flammation</b></p> <p><b>2- Add the accelerator first during mixing with good stirring, add the hardener during spraying as the pot life is 30 minutes.</b></p> <p><b>3-Whereas the paint contains volatile organic solvents, it must be used in ventilated areas and stored away from flammable sources.</b></p>		