

Polyurethane Sealer H.Q

Product name	Polyurethane Sealer	
Product code	U400-100	
Color/ Appearance	Transparent liquid (tendant to whiteness)	
Descriptions	Transparent Polyurethane Sealer, consists of two compounds (two materials), alkyde-based and isocyanate hardener based, with some additives making the sealer better for easy sanding. Dries upon the interaction between the hardener with the primer. High transparency	
Properties	<p>Easy to apply</p> <p>Give clear & transparent surface</p> <p>Easy sanding</p> <p>Highly Elastic</p> <p>High spreading rate</p> <p>High solids rate</p> <p>High ability to tolerate mechanical circumstances (pressure - collision)</p> <p>Resistant to mechanical agents</p> <p>High adhesion ability to all kinds of veneer and wood</p> <p>High adhesion ability to all kinds of varnishes</p>	
Areas of use	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. It can be used under all types of final varnishes (cellulose - polyurethane - acrylic - acid curing).	
Physical properties:		
(KU / 20 c) Viscosity	380 - 400 Seconds	
Density (g / cm 3, 25 ° C)	1 : 1.03	
Curing time (at 25 ° C)		
Surface dry	30 Minutes	
Through dry	2 Hours	
Dry to sand	3 Hours	
Minimum time allowed to receive the final paint	6:8 Hours	
Maximum time allowed to receive the final paint	24 Hours	
- Coverage rate (Spreading)	10 square meters / 1 liter at 35 microns (other than lost materials)	
Shelf Life	Two years for sealed sealer container (stored in a cool, dry place and away from direct sunlight) One year for sealed sealer container (stored in a cool, dry place and away from direct sunlight)	
Application Method	<p>Wood surface must be sanded and cleaned before spraying the sealer</p> <p>Sealer to be to be mixed with accelerator and to be thinned by using polyurethane thinner as per described rates</p> <p>Mixture to be sprayed directly on wood surface 2 coats reverse spray</p> <p>Wait 15 minutes between each coat</p> <p>Sealer coat to be left 3:4 hours to cure before sanding and for an entire night in winter</p> <p>Sealer surface to be sanded first by sander No (220) then sleeking by No. (360-400)</p> <p>In case of highly porousness wood, another sealer coat should be sprayed with 4 hours waiting time between each coat.</p>	
Preparation instructions		
- Hardner	H400-100	
- Mixing ratio (volume)	100 Sealer: 50 Hardener (By Volume)	
- Thinner	Polyurethane thinner T803	
- Thinning ratio	25% by volume (spray viscosity 18 seconds) density cup No. 4	
Pot Life (at 25 ° C) -	6 Hours (higher temperature, means lesser given time)	
Time between each coat -	15 minutes	
- Recommended Wet Film Thickness	Minimum = 160 microns	Maximum = 240 microns
- Dry Film Thickness	Minimum = 50 microns	Maximum = 80 microns
- Spraying tools		
Airless spray gun		
Gun nozzle	0.014 - 0.019 inch	
Pressure	150 Bar : 2100 P.S.I	
Air Spray Gun		
Gun nozzle	1.4 :1.6 mm	
Pressure	3-4 Bar : 40-60 P.S.I	

Notice:

1- Whereas the paint contains volatile organic solvents, it must be used in ventilated areas and stored away from flammable sources. .

2-For more information and technical consultation, please contact technical department of **UNIEAST** company