Uni East
COATINGS & CHEMICAL INDUSTRIES

Polyester Primer

Product Name	**Polyester Primer**
Product Code	**E601-110**
Color/ Appearance	Non-transparent thick liquid(White- Black)
Description	Polyester Primer free of waxy substances; consists of three compounds made up of unsaturated Polyester resin, some additives, colorant and filler substance. Primer dries after interact with hardened with the detection of accelerative.
Properties	High coverage Easy to apply High filling strength Easy sanding Excellent hardness High spreading rate High solids rate High adhesion ability to all kinds of veneer and wood High adhesion ability to all kinds of paints
Areas of use	used for processing all types of wood surfaces before it is painted with the final transparent varnish for 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).
Physical Properties:	
Viscosity (KU / 20 c)	110 - 120 KU
- Density (g / cm 3, 25 ° C)	1.55 - 1.60 (White) 1.01 - 1.03 (Black)
- Curing Time (at 25 ° C)	
-Surface dry	1 Hour
-Through dry	4 Hours
-Dry to sand	6 Hours
- Minimum time allowed to receive the final paint	10-12 Hours
- Maximum time allowed to receive the final paint	24 Hours
- (Spreading) coverage rate	(Other than lost material) 10 square meters / 1 litre at 35 micron
-Shelf life	Two years for sealed Primer paint container (store in a dry place away from direct sunlight)
How to use	-Wood surface must be sanded and cleaned befoe spreying Primer Primer to be mixed with accelerator and to be thinned by using Polyester thinner and adding the hardened as per described rates - Mixture to be sprayed directly on wood surface, two coats reverse spray -15 minutes each coat . - Primer coat to be left 6 hours standard grade and 8 hours for winter grade to cure before sanding. - Sanding Primer surface first by sander No 220 and sleeking by sander No. (360-400) . -In case of highly porousness wood, another Primer coat should be sprayed .
Preparations Instructions	
- Hardener	**H600-100**
-Accelerator	**A600-100**
-Mixing ratio(weight)	100 Primer(weight) 2 hardened (weight) 2 accelerator (weight)
- Thinner	Acetone - Polyester Thinner
- Thinning ratio	30% by volume (spraying viscosity 18 seconds) viscosity cup No.4
- Pot life/ 25 C	(Higher temperature, lesser time) 30:35 minutes
-Time between each coat	15 minutes
- Recommended wet film thickness	Minimum =160 micron Maximum = 240 micron
- Dry film thickness	Minimum =60 micron Maximum = 240 micron
- Spray tools	
Airless spray gun	
Nozzle	0.014 - 0.019 inch
Pressure	150 Bar : 2100 P.S.I
Air spray gun	
Nozzle	1.4 :1.6 mm
Pressure	3-4 Bar : 40-60 P.S.I

Note:
1- Consider separating the hardener of the accelerator during storage to avoid flammation.
2- Add the accelerator first during mixing with good stirring, add the hardener during spraying as the pot life is 30 minutes.
3-Whereas the paint contains volatile organic solvents, it must be used in ventilated areas and stored away from flammable sources.