

Polyurethane Surfacer

Product Name	Polyurethane surfacer
Product Code	U401-110
Color/ Appearance	Non-transparent thick primer(White- Colors)
Description	Polyurethane primer consists of two compounds, made up of Alkyd and Isocyanate hardener, some additives, colorants and fillers, dries after primer interaction with hardener
Properties	<p>High coverage</p> <p>Easy to apply</p> <p>High filling strength</p> <p>Excellent hardness</p> <p>Easy sanding, looks like marble after sanding</p> <p>High robustness</p> <p>High spreading rate</p> <p>High solids rate</p> <p>High ability to adhesion</p>
Areas of use	<p>Polyurethane primer is used for filling holes, smoothing surfaces and covering wood surfaces</p> <p>This is for colorful painting systems, especially MDF</p> <p>Is used to prepare all kinds of wood surfaces before receiving colorful final paint (Cellulose, Polyurethane and Acrylic)</p>
Physical Properties:	
Viscosity (KU / 25 c)	110 - 120 KU
- Density (g / cm 3, 25 ° C)	1.53:1.49
- Curing Time (at 25 ° C)	
-Surface dry	20 Minutes
-Through dry	2 Hours
-Dry to sand	(3-4) Hours standard grade and 1 night winter grade
- Minimum time allowed to receive the final paint	8:6 Hours
- Maximum time allowed to receive the final paint	24 Hours
- (Spreading) coverage rate	(Other than lost materials) 10 square meters/1litres at 35 micron
Shelf life	<p>Two years for sealed primer paint container (store in a dry place away from direct sunlight)</p> <p>One year for sealed hardener container (store in a dry place away from direct sunlight)</p>
Method to use	<p>- Wood surface must be sanded and cleaned before spraying primer</p> <p>Primer to be mixed with hardener and to be thinned by using Polyurethane thinner as per described rates</p> <p>- Mixture to be sprayed directly on wood surface, two coats reverse spray</p> <p>- 15 minutes each coat</p> <p>- primer coat to be left 3:4 to cure before sanding</p> <p>- Sanding primer surface first by sander No 220 and sleeking by sander No. (360-400)</p> <p>- In case of highly porousness wood, another primer coat should be sprayed</p> <p>- In case of using a bad quality solvent, it affects primer hardness and cure time</p>
Preparations Instructions	
- Hardener	H401-110 Polyurethane Primer hardener(white and colors)
- Mixing ratio(weight)	100 primer: 50 hardener (weight)
- Thinner	Polyurethane thinner T400
- Thinning ratio	30% by volume (spraying viscosity 18 seconds) viscosity cup No.4
- Pot life/ 25 C	(Higher temperature, lesser time) 6 Hours
-Time between each coat	15 Minutes

- Recommended wet film thickness	Minimum= 160 micron	Maximum= 240 micron
Dry film thickness	Minimum= 50 micron	Maximum= 80 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	

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 UNIEASTcompany