

## Polyurethane Varnish (Matt/Semi-Matt)

<u>Gloss Level (Product Code)</u>	Gloss%	Code	Description
	10%	U450-010	Extra Matt
	25% Matt	U450-025	Matt
	45% - 50% Matt	U450-050	Semi-Matt
<b>Color / Appearance</b>	Transparent Liquide (MILKY)		
<b>Description</b>	Transparent polyurethane Varnish (Matt / Semi-Matt), consists of two .components (two materials), alkyd-based and isocyanate-based. Dried upon interaction between hardner and Varnish, containing Urethanated Wax		
<b>Properties</b>	Matt Transparent Varnish with Fine Appearance Very High Transparency Smooth Seamless Surface Anti-scratch Excellent Hardness Resistant to Natural Agents Resistant to Chemical Agents Water Proof and Anti-Detergents High Spreading Rate		
<b>Areas of Use</b>	Used to paint all wooden surfaces after upon being painted with the appropriate sealer (Cellulose Sealer - Polyurethane Sealer - Poly Ester Sealer - Acrylic Sealer) for a transparent matt appearance.		
<b>Physical Properties</b>			
<b>Viscosity (Cup 4 / 20 C°)</b>	170 - 180 Seconds		
<b>Density (g/cm<sup>3</sup>, 25 C°)</b>	0.97 : 0.99		
<b>Curing Time (At 25 C° and Dry Thickness of 30 microns).</b>			
Dust free	25 Minutes		
Surface dry	40 Minutes		
Dry to handle	45 : 60 Minutes		
Through dry	3 Hours		
Full cure	3 Days (Higher temperature means lesser curing time)		
<b>Theoretical Spreading Rate</b>	1 Liter covers 12 Square Meters / Dry Thickness of 30 Micron		
<b>Adhesion Testing Time &amp; Exposure to Mechanical Agents, Solvents &amp; Acids</b>	<b>(Other than lost materials)</b>		
<b>Shelf Life</b>	Five days after full cure period, till interaction between the varnish and hardner and the formation of three dimension cross bonding.		
<b>Method of Use</b>	Two years for sealed varnish container (Stored in a cool and dry place and away from direct sunlight) Painted directly to all wooden surfaces painted with sealer (Cellulose Sealer Polyurethane Sealer - Polyester Sealer - Acrylic Sealer) upon sanding. Varnish to be mixed with the hardner as per the shown ratio (2:1 Volume). - Thinning the varnish using Polyurethane thinner as per the shown ratio 1:2 coats are sprayed using reversed spraying method In case of respraying after curing or to treat damages in the varnish surface, the varnish coat must be sanded with sander 1000 to ensure strong adhesion and avoid varnish coat cracked appearance.		



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