

# Polyurethane Glossy Varnish (1

<b>Product name</b>	<b>Polyurethane Glossy Varnish (1:1)</b>
<b>Product code</b>	<b>U480-030</b>
<b>Color/ Appearance</b>	Extremely Transparent glossy polyurethane varnish, consists of two component based hardener, and some additives. Dried upon interaction between hardener and resin.
<b>Description</b>	Transparent Varnish with fine and very glossy appearance Smooth Seamless Surface
<b>Properties</b>	Anti-scratch Very Elastic Resistant to Mechanical and Natural Agents Excellent Hardness Very High Transparency 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 primer (Poly Ester Sealer - Acrylic Sealer) for a transparent and extra glossy appearance.
<b>Physical Properties</b>	
<b>Viscosity (Cup 4 / 20 C°)</b>	300 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	30 Minutes
Surface dry	45 Minutes
Dry to handle	1 Hour
Through dry	3 Hours
Full cure	5 Days (Higher temperature means lesser curing time)
<b>Theoretical Spreading Rate</b>	1 Liter covers 13 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> Five days after full cure period, till interaction between the varnish and hardener bonding.
<b>Shelf Life</b>	Two Years for sealed varnish containers (stored in a cool and dry place and away from sunlight) One Year for sealed hardener containers (Stored in a cool and dry place and away from sunlight)
<b>Method of Use</b>	Painted directly to all wooden surfaces painted with sealer (Cellulose Sealer) upon sanding.  Varnish to be mixed with the hardener as per the shown ratio (1:1 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, sand the surface with 1000 grit sandpaper to ensure strong adhesion and avoid varnish coat cracked appearance.  In case of crushing and polishing, the varnish must be left for 48 hours till fully cured.
<b>Container Sizes</b>	0.9 & 4.5 kg
<b>Preparation Instructions</b>	
- Hardener	<b>H480-030</b> 1:1 Glossy Polyurethane Varnish Hardener
- Mixing Ratio (By Volume)	100 Varnish : 100 Hardener (Volume)
- Thinner	Polyurethane Thinner <b>T400</b>
- Thinning Ratio	10% Volume (Spraying Viscosity 18 Seconds) - Density Cup No. 4
- Pot Life / 25 C	4 Hours (Higher temperature, lesser given time)

**Recommended Wet Film Thickness**  
**Dry Film Thickness**

Minimum = 65 Micron  
Minimum = 30 Micron

Maximum = 150 Micron  
Maximum = 60 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- Whereas the paint contains volatile organic solvents, it must be used in ventilated areas and stored away from fl**

**For more information and technical consultation, please contact the technical department**

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