

## Polyurethane Glossy Varnish (2:1)

<b>Product name</b>	<b>Polyurethane Glossy Varnish (2:1)</b>
<b>Product code</b>	U470-020
<b>Color/ Appearance</b>	Extremely Transparent glossy polyurethane varnish, consists of two components (two materials), alkyd-based and isocyanate-based hardner, and some additives. Dried upon interaction between hardner and varnish.
<b>Properties</b>	Transparent Varnish with fine and glossy appearance Smooth Seamless Surface Anti-scratch Excellent Hardness High Transparency High Spreading Rate
<b>Areas of Use</b>	Used to paint wide range of surfaces as "wooden" "plastics" "metal surfaces after upon being painted with the appropriate sealer (wood sealers - adhesion promoter - primers - Acrylic Sealer-auto base coat) for a transparent glossy appearance.
<b>Physical Properties</b>	
<b>Viscosity (Cup 4 / 20 C°)</b>	110- 130 Seconds
<b>Density (g/cm<sup>3</sup>, 25 C°)</b>	1 : 1.02
<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	3 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>	Five days after full cure period, till interaction between the varnish and hardner and the formation of three dimension cross bonding.
<b>Shelf Life</b>	Two years for sealed varnish containers (Stored in a cool and dry place and away from direct sunlight) One Year for sealed hardner containers (Stored in a cool and dry place and away from direct sunlight)
<b>Method of Use</b>	Painted directly to aprepaired surfaces painted with sutable under coat  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.

**Preparation Instructions**

- Hardner

- Mixing Ratio (By Volume)

- Thinner

- Thinning Ratio

- Pot Life / 25 C

**H470-020** 1:2 Glossy Polyurethane Varnish Hardner

100 Varnish : 50 Hardner (Volume)

Polyurethane thinner **T400**

25% Volume (Spraying Viscosity 18 Seconds) - Density Cup No. 4

4 Hours (Higher temperature, lesser given time)

**Recommended Wet Film Thickness**

Minimum = 65 Micron

Maximum = 130 Micron

**Dry Film Thickness**

Minimum = 30 Micron

Maximum = 50 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 flammable sources.

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

**Notice:**

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