



## EPIFANES POLYURETHANE CLEAR GLOSS

The ultimate in hardness!

<b>Type</b>	Two-component clear finish based on unsaturated polyesters.
<b>Color</b>	Water clear
<b>Gloss</b>	Ultra high gloss
<b>Recommended use</b>	For long lasting protection of all marine or household woods. Interior and exterior wood above the waterline. Due to the hard nature of this finish, Epifanes Polyurethane Clear Gloss is ideally suited for plywoods and coating epoxy resins. Perfect for saloon tables and cabin soles.
<b>Film characteristics</b>	Superior flow, gloss and durability. High U.V. protection and resistance to abrasion, weathering, chemicals and loss of gloss. The outstanding flow characteristics make this two-component varnish highly suitable for both brush and spray application.
<b>Container Size</b>	750 gr. (500 gr. base + 250 gr. reactor = 750 gr. mixed) 2:1 mix by weight.
<b>Density</b>	1.08 kg./liter mixed
<b>Solids Content</b>	45 +/- 2 vol. %
<b>Recommended film thickness</b>	Per coat wet - 80 micron Per coat dry - 35 micron
<b>Application</b>	Brush, roller (phenolic core), conventional air spray, H.V.L.P.
<b>Drying times at 65F / 65% RH</b>	Tack free - 1 hour Dry - 24 hours Tape free - 18 hours Recoatable - approx. 24 hours
<b>Spray Application</b>	Conventional air: Thin as needed up to 10% with Epifanes Polyurethane Thinner For Spray. Spray viscosity 20 - 22 seconds Din Cup 4, 16 - 18 seconds Ford Cup 4. Nozzle 1.6 mm. - 1.8 mm. Pressure 2-3 Bar. Apply light tack coat to fully wet the surface. Allow 15-20 minutes to dry, then coat the entire surface. Airless spray not recommended.
<b>Additives</b>	Epifanes Polyurethane Retarder
<b>Application conditions</b>	Temperature should be between 60F. and 80F. during application. Air humidity below 70%. Avoid varnishing in too much wind or sun. A rapid loss of solvents will occur under these conditions and will decrease the flowing ability. Add thinner up to the specified percentage to compensate for the faster release of solvents. Any existing finish must be intact, degreased and sanded.

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**Two-component clear varnish system  
on wood above the waterline**

**Surface Preparation:**

Bare wood must be clean, dry and free of grease etc. Degrease with Epifanes Spray Thinner For Paint & Varnish or denatured alcohol. Wiping down with mineral or white spirits, may leave an oily residue. Do not use water. Sand the bare wood to a fresh surface with 60 - 80 grit dry abrasive paper with the grain of the wood. A block may be used to assist in fairing the surface. Finish sand with 100 - 120 grit dry abrasive paper. If desired, stain the wood at this time with a good quality water based stain. Do not color the varnish itself as this will create a muddy appearance. Brush application with a good quality, clean, natural bristle brush will give good results.

Coats	Product	Thinner	Thinning Ratio %	Drying Time in hours	Abrasive paper grit	Abrasive paper type	Approx. coverage /	Remarks
First	Epifanes PUCG	Brush Thinner For	10-15	24 at 65F.	220	Dry	130 sq. feet	If recoated within 48 hours, sanding is not required.
Second	Epifanes PUCG	Brush Thinner For	10-15	24 at 65F.	280	Dry	130 sq. feet	
Third	Epifanes PUCG	Brush Thinner For	0-10	24 at 65F.	320	Dry	130 sq. feet	
At least 3 more	Epifanes PUCG	Brush Thinner For	0-5	24 at 65F.	320-400	Wet or Dry	130 sq. feet	

**Maintenance:**

If existing coats of varnish are intact, one or more coats may be applied on a well cleaned, degreased and lightly sanded surface. Alternatively, the last two coats of Epifanes Polyurethane Clear Gloss Varnish may be replaced with two coats of Epifanes Clear Gloss Varnish. Allow 24 hours between coats and sand with 320-400 grit wet or dry abrasive paper. The one-component finish may be preferred if a more elastic topcoat is desired or required. The one-component finish also provides easier maintenance.