

Epifanes Polyurethane Clear Gloss

A two-component high-gloss yacht varnish with U.V. filter. Resistant to weathering, chemicals and loss of gloss. Suited as a varnish system on its own, as U.V.-resistant and protective finishing coat on epoxy resin or as an intermediate adhesion coat on wood treated with epoxy resin prior to the application of a one-component varnish. The outstanding flow characteristics make this two-component component topcoat highly suitable for brush, roll and spray application.

Type	Chemical drying
Base	Polyester saturated, aliphatic urethane
Colour	Waterclear
Gloss	Ultra high gloss
Density	1.07 kg/dm ³
Solids content	55 ± 2 weight % = 40 ± 2 vol. %

Drying times at 20°C / 65% RAH
at 30µm dft

Dustdry	Recoatable	Through hardened
2 hours	24 hours	7 days

Packing
Mixing ratio (by weight)

500gr. base + 250gr. cure = 750gr
2 parts base (A) : 1 part cure (B).
20 minutes

Induction time at 20°C (=65°F).
Potlife after mixing

at 10°C	at 20°C	at 30°C
4 - 6 hours	3 - 4 hours	2 - 3 hours

Application

	Air spray	Brush
Vol. % thinner	10	0- 5
Nozzle	1.3 - 1.5 mm	
Pressure (Bar)	3	
Viscosity Din Cup 4 mm	20 - 22 sec.	

Thinner

- brush / roller application
- spray application

Epifanes Polyurethane Brushthinner
Epifanes Polyurethane Spraythinner
Add thinner after mixing both components. Thinning ratio depends on temperature of varnish and work area.

Remarks :

- airless spray
- pressure feed paint container

Not advised
Pot life will be shortened due to temperature increase in the container.

Theoretical coverage
Practical coverage

12 m² per kg @ 30 µm dryfilmthickness
Dependant on application methode, kind and condition of substrate, loss of material due to shape of object, circumstances during application, etc.

Recommended wft per coat

60-80 µm (= 30-40 µm dryfilmthickness)

Recoatability

Within 24 and 48 hours, without sanding. After 48 hours, lightly sand with wetordry abrasive paper nr. 360. May also be overcoated with Epifanes Clear Gloss Varnish (one-component). In this case, sand the Polyurethane with wetordry abrasive paper nr. 220 used dry.

Application conditions :
temperature and relative air
humidity

Work area	Varnish	Substrate	Rel. Air Hum.
>12°C <30°C	>12°C < 30°C	>12°C <30°C	>50% < 80%