

Epifanes Clear Varnish

One-component classic high gloss yacht varnish with extra UV filter

Type	Oxidative drying
Base	Phenolic resin / Alkyd resin / Tung Oil
Properties	Extreme high gloss, unique flow characteristics and high build capacity. The UV filter prevents the wood against discolouration. Its flexibility prevents cracking on working wood. This varnish is famous for its high gloss retention, long lasting properties, even in tropical climates.
Field of application	New work on bare solid wood (mahogany, meranti, Oregon pine) and plywood both for inside and outside above the waterline. Maintenance of intact existing (one- and two-component) varnishes regardless which brand.
Colour	Transparant amber
Gloss	Ultra high gloss
Density	0,92kg/dm ³
Viscosity	60 seconds ISO-cup 6 mm.
Solids contents	50 +/- 2 vol. %
VOC - level	382 grams/liter
Packing	250ml. - 500 ml. - 1000ml. - 5000ml.
Shelf life	In closed container stored in a dark location between 5 - 25°C approx. 3 years
Conditions during application and drying	Temperature minimal 8°C. - maximum 30°C. Relative air humidity minimal 50% - maximum 75%
Thinner for brush applications	Epifanes Brushthinner for Paint & Varnish
Thinner for spray applications	Epifanes Spraythinner for Paint & Varnish
Application tools	Soft, longhaired brush (oval or full style). Conventional air spray
Recommended filmthickness / coat	60-70 µm wet = 30-35 µm dry
Application recommendations	Do not overbrush. Do not apply wet-in-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Avoid varnishing in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability. Use only soft, long bristled, clean and dry brushes of good quality.
Theoretical coverage	14 m ² (150sq feet) per litre @ 35 µm dry filmthickness
Practicle coverage	Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.
Substrate conditions	Bare wood, dry, degreased and sanded, percentage of humidity inside the wood < 15%. Well cleaned, degreased, sanded, intact well adhering one- and two-component varnish systems

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Application details

	Air spray	Brush
Thinning volume	15-20 %	0-5%
Nozzle	1.2 mm - 1.5 mm	
Pressure	2 - 3 Bar	
Viscosity DIN-cup 4 mm	20-24 sec.	

Application remarks

Airless spray not advised

Drying times @ 20°C. / 65% RAH and 30 µm dry filmthickness

Dustdry	Sandable	Recoatible
3 hours	24 hours	24 hours

Recoatible with

Epifanes Woodfinish Gloss - Epifanes Rapidclear / Rapidcoat
Epifanes Rubbed Effect Varnish - Epifanes Rubbed Effect Low VOC

System build up

Product	Nbr. of coats	Epifanes Thinner per coat	%	Drying times per coat at 18°C./65°F	Abrasive paper	Remarks
EPIFANES Clear Varnish	1	EPIFANES Brushthinner for Paint & Varnish	50	24 hours	220 dry	In order to minimize sinking of subsequent varnish coats, drysand wetfilm with 220 grit wetordry abrasive paper, allow to dry and subsequently scrape clean.
EPIFANES Clear Varnish	1	EPIFANES Brushthinner for Paint & Varnish	25	24 hours	220 dry	Sand by hand along the wood grain.
EPIFANES Clear Varnish	1	EPIFANES Brushthinner for Paint & Varnish	15	24 hours	280 dry	Sand by hand along the wood grain.
EPIFANES Clear Varnish	4	EPIFANES Brushthinner for Paint & Varnish	0-5	24 hours	400 wet	A minimum of 4 build-up coats is required. In warmer climates with high UV-levels, a minimum of 6 or more build-up coats is required for sufficient protection.
Total number of coats	7					

Application advise

If needed, thin down up to 10% to enhance the flowing ability. More coats will provide deeper lustre and provide additional UV protection. Always apply along the wood grain and allow sufficient time to settle. Avoid retipping.

Safety

The user of this product should obey all national laws and legislation concerning health, safety and environmental hazard. For more information on health and safety, refer to the Material Safety Data Sheet of this product.

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