

## Epifanes Clear Varnish

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

<b>Type</b>	Oxidative drying
<b>Base</b>	Phenolic resin / Alkyd resin / Tung Oil
<b>Properties</b>	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.
<b>Field of application</b>	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.
<b>Colour</b>	Transparant amber
<b>Gloss</b>	Ultra high gloss
<b>Density</b>	0,92kg/dm <sup>3</sup>
<b>Viscosity</b>	60 seconds ISO-cup 6 mm.
<b>Solids contents</b>	50 +/- 2 vol. %
<b>VOC - level</b>	382 grams/liter
<b>Packing</b>	250ml. - 500 ml. - 1000ml. - 5000ml.
<b>Shelf life</b>	In closed container stored in a dark location between 5 - 25°C approx. 3 years
<b>Conditions during application and drying</b>	Temperature minimal 8°C. - maximum 30°C. Relative air humidity minimal 50% - maximum 75%
<b>Thinner for brush applications</b>	Epifanes Brushthinner for Paint & Varnish
<b>Thinner for spray applications</b>	Epifanes Spraythinner for Paint & Varnish
<b>Application tools</b>	Soft, longhaired brush (oval or full style). Conventional air spray
<b>Recommended filmthickness / coat</b>	60-70 µm wet = 30-35 µm dry
<b>Application recommendations</b>	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.
<b>Theoretical coverage</b>	14 m <sup>2</sup> (150sq feet) per litre @ 35 µm dry filmthickness
<b>Prakticle coverage</b>	Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.
<b>Substrate conditions</b>	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	Recoatable
3 hours	24 hours	24 hours

**Recoatable 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.

Although the facts and suggestions in this product information sheet are based on our own research and field experiences and are believed reliable, we cannot simply be held responsible for performance or results obtained through the use of this product. Ineffectiveness or other unintended consequences may result, because of such factors as weather, conditions, presence or other materials or the manner of preparation, use or application all of which are beyond W. Heeren & Zoon's control. All such risks are assumed by user.

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