Technical datasheet EN-001 **February 2026**

Epifanes Clear Varnish

One-comp. classic high gloss yacht varnish + extra UV filter





PRODUCT DESCRIPTION

Extreme high gloss, unique flow characteristics and high build capacity. The UV filter protects the wood for discoloration. 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 use: 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 of brand. Not suited for direct use on epoxy resin.

PRODUCT INFORMATION

Type	Oxidative drying
Base	Phenolic resin / Alkyd resin / Tung Oil
Gloss	High gloss
Colour	Transparent amber
Density at 20°C.	0,9138 g/cm³
Viscosity	50 seconds IS0-cup 4 mm
Solids Contents	52 ± 2 vol. %
VOC-level	370 g/l
Packing	250ml. - 500ml. - 1000ml. - 5000ml.
Shelf life	3 years in closed original container if stored in a location with temperatures between 5 - 30°C
Rec. filmthickness	60 - 70 µm wet = 30 - 35 µm dry
Thinner brush	Epifanes Brushthinner for Paint & Varnish or a good quality white spirit
Thinner spray	Epifanes Spraythinner for Paint & Varnish or denaturated alcohol
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning. For thinning ratios, refer to the Epifanes varnish systems.

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Drying times	10°C.	15°C.	20°C.	25°C.
Dust dry	5 hours	4 hours	3 hours	2 hours
Sandable	40 hours	30 hours	24 hours	20 hours
Recoatable	40 hours	30 hours	24 hours	20 hours

The above mentioned drying times are indicative at 65% RAH and 30 µm dry filmthickness. Drying also depends on ventilation and applied wet filmthickness. A higher wetfilmthickness and/or poor ventilation results in longer drying times. Especially horizontal parts may take longer to dry due to high wetfilmthickness. Allow each varnish coat sufficient time to dry. Do not apply wet-on-wet!

Substrate

Bare wood : degreased and sanded P220.
For maximal impregnation into the wood grain, thin first coat 40-50% .

Maintenance of varnish: degreased and sanded P240.
For a good grip, thin first coat 10% .

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EPIFANES® Yacht Coatings

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APPLICATION

Conditions during application Temperature **minimal 5°C. - maximal 30°C.**
Relative air humidity **minimal 50% - maximal 85%**

Best results are achieved by longhaired soft brush or by air spray. Because of the required wet film thickness application by roller is not advised. Evenly distribute the varnish over the surface and tip off along the wood grain. Avoid retipping. Do not apply wet-on-wet. Do not apply excessive wet film thickness 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. Avoid large difference in temperature of the product, surface to be varnish and working area. In case the product "pulls" and is difficult to apply, 10% Epifanes Brushthinner may be added. To retrieve the original colour of the wood, Epifanes Mahogany Stain or Epifanes Teak Stain may be added to the varnish up to 10%. After drying, lightly sand the surface with P400 or Scotch Brite. Always sand by hand along the wood grain.
Guidelines for spray application:

Thinning volume	Nozzle	Pressure	Visco DIN-cup 4 mm
15-20%	1.2 mm - 1.5 mm	2-3 Bar	20-24 sec.

SYSTEM BUILD UP

	Step 1	Step 2	Step 3	Step 4
Product	**EPIFANES Clear Varnish**	**EPIFANES Clear Varnish**	**EPIFANES Clear Varnish**	**EPIFANES Clear Varnish**
Numb. of coats	1	1	1	4 of more
Thinner	EPIFANES Brushthinner PV	EPIFANES Brushthinner PV	EPIFANES Brushthinner PV	EPIFANES Brushthinner PV
Thinning ratio	50%	25%	15%	0-5%
Drying time 20°C.	24 hours	24 hours	24 hours	24 hours
Sanding grit	Dry P220 - sand by hand	Dry P220 - sand by hand	Dry P280 - sand by hand	Wet P400 / Scotch Brite
Remarks	First penetrating varnish coat. For full varnish penetration inside the wood fibres, apply this first coat heavily thinned.	Second penetration varnish coat. Apply this second coat approx. 25% thinned Sand by hand along the wood grain.	Third penetration varnish coat. Apply this second coat approx.15% thinned Sand by hand along the wood grain.	At least 4 finishing coats are required. In warmer climates with high UV-levels, at least 6 or more full bodied finishing coats are required for sufficient protection.

Theoretical coverage 15m² per liter @ 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.

Recoatbility with other Epifanes varnishes

Epifanes Woodfinish Gloss	High gloss alternative
Epifanes Woodfinish Matte	Matt finish for interior / exterior use
Epifanes Rubbed Effect Varnish	Satin finish for interior use
Epifanes Aqua Marine Interior Varnish	Water based satin finish for interior use
Epifanes Rapidcoat / Rapidclear	Semi gloss alternative

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.

Allthough 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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