

Epifanes PP Varnish Extra

A two-component build-up yacht varnish with UV filter

Type	Chemical drying						
Base	Alkyd resin and isocyanate.						
Properties	High gloss base varnish for all types of wood. Recommended sealer for oily wood, i.e. teak and iroco. Resistant to various chemicals, alcohols, soft drinks, water and aliphatic and aromatic hydrocarbon solvents. Excellent flow and abrasion resistance, very quick drying, superior filling and rapid build-up. Offers sufficient elasticity to be applied on working wood (i.e. masts). Contains a high-quality UV filter, however for exterior use it is advised to overcoat with 2-3 coats Epifanes Polyurethane Clear or Epifanes Clear Gloss Varnish for extra U.V. protection.						
Field of application	Professional base varnish, sealer and/or grain filling varnish for new work on bare solid wood and plywood for both for inside and outside above the waterline. Isolating varnish on oily tropical wood types. Ideally suited for working wood. Interior finishing of door, panels, kitchen furniture, etc. and maintenance of existing clear two-component varnishes.						
Colour	Light amber transparant						
Gloss	Extreme high gloss						
Density	1,05 kg/dm³						
Viscosity	40 seconds ISO-cup 4 mm.						
Solids contents	45 ± 2 vol. %						
VOC-level	526 gram/liter						
Packing	1000ml. base A + 1000ml. Cure B = 2000ml. 5000ml. base A + 5000ml. Cure B = 10 ltr.						
Mixing ratio by volume and by weight	1 part base component A : 1 part curing component B (1 : 1)						
Induction time at 20°C. / 65% RLV	10-15 minutes						
Potlife after mixing	<table><tr><th>at 12°C</th><th>at 20°C</th><th>at 28°C</th></tr><tr><td>3 - 4 hours</td><td>2 hours</td><td>1 hours</td></tr></table>	at 12°C	at 20°C	at 28°C	3 - 4 hours	2 hours	1 hours
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Shelf life unmixed	In closed containers stored in a dark location between 5- 25°C. Base component A : approx. 2 years. Curing component B : approx. 1 year						
Conditions during application and drying	Temperature minimal12°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%						
Brushthinner	Epifanes Thinner for PP Varnish Extra (fast evaporating) Epifanes Poly-urethane Brushthinner (slow evaporating)						
Spraythinner	Epifanes Thinner for PP Varnish Extra						
Thinner guideline	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
Application tools	Soft, longhaired brush (oval/full style) and conventional air spray						
Recommended filmthickness / coat	60-70 µm wetfilmthickness = 30-35 µm dryfilmthickness						
Substrate conditions - Application recommendations	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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Theoretical coverage

14 m² per ltr. @ 30 µm dryfilmthickness

Practicle coverage

Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

Application details

	Air spray	Brush
Thinning volume	10 - 15%	0-5%
Nozzle	1.3 - 1.8 mm	
Pressure	3	
Viscosity DIN-cup 4 mm	16 - 20 sec.	Apply along the wood grain

Application remarks

Airless spray not advised. Pressure feed paint container: Pot life will be shortened due to temperature increase in the container.

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

Dustdry	Tackfree	Sandable	Through hardened
30 minutes	1 hour	By hand 5 hours By machine 24 hour	14 days

Application wet-in-wet without Sanding @ 20°C. / 65% RAH

By brush application	By spray application
2 - 3 hours	1.5 - 2 hours

Recoatibility

One-component

Epifanes Clear Varnish - Epifanes Woodfinish gloss
Epifanes Rubbed Effect Varnish - all Epifanes pigmented finishes

Two-component

Epifanes Poly-urethane Clear Gloss and Poly-urethane Clear Satin
Epifanes Poly-urethane Yacht Coating

System build up on Teakwood

Product	Nbr. of coats	Epifanes Thinner per coat	%	Drying times per coat at 18°C./65°F	Abrasive paper	Remarks
EPIFANES PP Varnish Extra	3	EPIFANES Thinner for PP Varnish Extra	10-15	2-3 hours	220 dry	Allow third coat 24 hours to cure. Sand third coat with P220. Note: On other woodtypes: thin first coat 30-40%.
EPIFANES PP Varnish Extra	3	EPIFANES Thinner for PP Varnish Extra	0-5	2-3 hours	220 dry	Allow third coat 24 hours to cure. Sand third coat with P220.

Depending on open structure of the wood, more coats may be necessary to fill the wood grain completely.

Necessary UV protection for exterior use:

One-component finishing	Two-component finishing
Sand with P220 - at least 3 coats Epifanes Clear Gloss Varnish	Sand with P320 - at least 3 coats Epifanes Poly-urethane Clear Gloss

Safety

The user of this product should obey all 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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