

## Epifanes PP Varnish Extra

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

<b>Type</b>	Chemical drying						
<b>Base</b>	Alkyd resin and isocyanate.						
<b>Properties</b>	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.						
<b>Field of application</b>	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.						
<b>Colour</b>	Light amber transparent						
<b>Gloss</b>	Extreme high gloss						
<b>Density</b>	1,05 kg/dm <sup>3</sup>						
<b>Viscosity</b>	40 seconds ISO-cup 4 mm.						
<b>Solids contents</b>	45 ± 2 vol. %						
<b>VOC-level</b>	526 gram/liter						
<b>Packing</b>	1000ml. base A + 1000ml. Cure B = 2000ml. 5000ml. base A + 5000ml. Cure B = 10 ltr.						
<b>Mixing ratio by volume and by weight</b>	1 part base component A : 1 part curing component B ( 1 : 1)						
<b>Induction time at 20°C. / 65% RLV</b>	10-15 minutes						
<b>Potlife after mixing</b>	<table border="1"> <thead> <tr> <th>at 12°C</th> <th>at 20°C</th> <th>at 28°C</th> </tr> </thead> <tbody> <tr> <td>3 - 4 hours</td> <td>2 hours</td> <td>1 hours</td> </tr> </tbody> </table>	at 12°C	at 20°C	at 28°C	3 - 4 hours	2 hours	1 hours
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<b>Shelf life unmixed</b>	In closed containers stored in a dark location between 5- 25°C. Base component A : approx. 2 years. Curing component B : approx. 1 year						
<b>Conditions during application and drying</b>	Temperature minimal 12°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%						
<b>Brushthinner</b>	Epifanes Thinner for PP Varnish Extra (fast evaporating) Epifanes Poly-urethane Brushthinner (slow evaporating)						
<b>Spraythinner</b>	Epifanes Thinner for PP Varnish Extra						
<b>Thinner guideline</b>	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
<b>Application tools</b>	Soft, longhaired brush (oval/full style) and conventional air spray						
<b>Recommended filmthickness / coat</b>	60-70 µm wetfilmthickness = 30-35 µm dryfilmthickness						
<b>Substrate conditions - Application recommendations</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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**Theoretical coverage**

14 m<sup>2</sup> 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 - Epifanes PU Speedcoat

**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 P220 - at least 3 coats Epifanes Poly-urethane Clear Gloss or 3 coats Epifanes PU Speedcoat

**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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