

Epifanes Poly-urethane Clear Satin Varnish

A two-component clear satin yacht varnish with UV filter

Type	Chemical drying						
Base	Polyester saturated, aliphatic urethane						
Properties	A hard scratch resistant two-component,satin finish. superior protection against alcohol and other aggressive household chemicals. To be used as a satin finish over intact existing poly-urethane varnish systems on dimensionally stable wood (i.e. marine plywood). Excellent for use on cabin soles or salon tables.						
Field of application	Apply preferably as a interior satin finishing coat over several build-up coats of Epifanes Poly-urethane Clear Gloss, Epifanes PP Varnish Extra or epoxy resin. Maintenance of intact one- and two-component interior varnish systems regardless which brand.						
Colour	Waterclear						
Gloss	Satin						
Density	1,07 kg/dm³						
Viscosity	40 seconds ISO-cup 6 mm.						
Solids contents	50 ± 2 weight % = 40 ± 2 volume %						
VOC–level mixed product	538 gram / liter						
Packing	500gr. base + 250gr. cure = 750gr. 2 kg. base + 1 kg. cure = 3 kg.						
Mixing ratio by weight	2 parts base component A : 1 part curing component B						
Induction time at 20°C. / 65% RLV	10-15 minutes						
Potlife after mixing	<table><tr><td>at 12°C</td><td>at 20°C</td><td>at 30°C</td></tr><tr><td>4 - 6 hours</td><td>3 - 4 hours</td><td>2 - 3 hours</td></tr></table>	at 12°C	at 20°C	at 30°C	4 - 6 hours	3 - 4 hours	2 - 3 hours
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4 - 6 hours	3 - 4 hours	2 - 3 hours					
Shelf life unmixed	In closed container stored in a dark location between 5- 25°C. approx. 2 years						
Conditions during application and drying	Temperature minimal12°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%						
Brushthinner	Epifanes Poly-urethane Brushthinner						
Spraythinner	Epifanes Poly-urethane Spraythinner						
Thinner guideline	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
Application tools	Nylon roller - conventional air spray						
Recommended filmthickness / coat	60-80 µm wetfilmthickness = 30-35 µm dryfilmthickness						
Application recommendations	Stir well prior to and during application. 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.						

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Theoretical coverage 11 m² per kg. @ 30 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.

Application details

	Air spray	Nylon roller
Thinning volume	10	0-5%
Nozzle	1.3 - 1.8 mm	
Pressure	3	
Viscosity DIN-cup 4 mm	20 - 22 sec.	Apply along the wood grain

Application remarks Airless spray not advised.

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

Dustdry	Sandable	Recoatable	Through hardened
2 hours	24 hours	24 hours	14 days

Recoatability With itself between 24 and 48 hours without sanding. If recoated after 48 hours, sand with P 320 dry. Sand finishing coats with P360 wetordry.

Recoatable with **One-component** Epifanes Clear Gloss Varnish - Epifanes Woodfinish Gloss
Epifanes Rubbed Effect Varnish - Epifanes Rubbed Effect Low VOC

Two-component Epifanes Poly-urethane Clear Gloss

System build up

Product	Nbr. of coats	Epifanes Thinner per coat	%	Drying times per coat at 18°C./65°F	Abrasive paper	Remarks
EPIFANES Poly-urethane Clear Gloss	1	EPIFANES Poly-urethane thinner	10-15	24 hours	220 dry	In order to minimize sinking of subsequent varnish coats, drysand wetfilm with P 220 wetordry and subsequently scrape clean.
EPIFANES Poly-urethane Clear Gloss	1	EPIFANES Poly-urethane Thinner	10-15	24 hours	220 dry	Apply this 2nd. Coat within 48 hours after the 1st. coat.
EPIFANES Poly-urethane Clear Gloss	2	EPIFANES Poly-urethane Thinner	0-10	24 hours	360 wet	Apply 4th. Coat within 48 hours after the 3rd. coat Lightly sand 4th. Coat with P360 wetordry
EPIFANES Poly-urethane Clear Satin	2	EPIFANES Poly-urethane Thinner	0-10	24 hours	360 wet	For best results, apply by short haired fur roller along the wood grain.
Min. total amount	6					

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Intercoat sanding

If subsequent coat is applied within 24 to 48 hours, intercoat sanding is not necessary. After 72 hours, sand with P360-400 wetordry abrasive paper.

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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