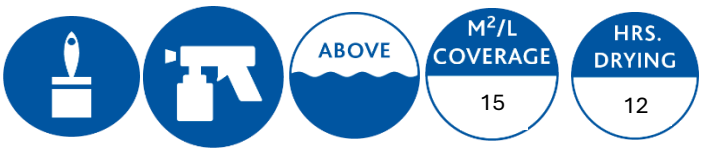
Epifanes Rubbed Effect varnish

One component interior varnish with beautiful satin sheen





PRODUCT DESCRIPTION

Epifanes Rubbed Effect Varnish is quick drying, scratch resistant one component interior varnish based on urethane alkyd resins. This varnish gives a very pleasant warm satin look. It provides great protection against alcohol and household chemicals.

Field of use: As a satin final coat in a new system or as a maintenance satin varnish over an existing varnish system. Suited for application on virtually every varnish. On bare wood always start with several high gloss varnish build up coats. The high gloss varnish will fill the wood grain faster and the incorporated UV filter of the high gloss varnish will also protect the wood against discolorisation.

PRODUCT INFORMATION

Type	Oxidative drying
Base	Urethane alkyd resin
Gloss	Satin
Colour	Transparent amber
Density @ 20°C.	910 gr. / dm^3
Viscosity @ 20°C.	45 seconds DIN-cup 4 mm
Solids contents	44 ± 2 vol. %
VOS-level	467 gram/liter
Packing	500ml. - 1000ml. – 5000ml.
Shelf life	In closed original container if stored in a location with temperatures between 5 - 30°C 3 years
Rec. filmthickness	70 µm wet = 30 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.
Tools	Longhaired soft bristle brush or by conventional air spray

Drying times	10°C.	15°C.	20°C.	25°C.
Dustdry	3 hours	2 hours	1 hour	45 minutes
Sandable	24 hours	18 hours	12 hours	10 hours
Recoatabl	24 hour	18 hours	12 hours	10 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!

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EPIFANES® Yacht Coatings

Substrate

New system: Clean the previously applied build up of high gloss varnish. Sand final coat with P240 and apply Epifanes Rubbed Effect Varnish in 2 coats.

Existing system: Clean the existing varnish system with Epifanes Spraythinner for Paint & Varnish and sand with P240. Apply 2 coats of Rubbed Effect varnish. Apply 1st coat lightly thinned to get a better grip onto the of the varnish in place.

APPLICATION / WORKING ENVIRONMENT

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 for Paint & Varnish may be added. To retrieve the original colour of the wood, Epifanes Mahogany Stain or Epifanes Teak Stain may be added toRubbed Effect 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	Viscosity DIN-cup 4 mm
10 - 15%	1.5 mm – 1.8 mm	2 -3 Bar	20 – 24 seconds

System build-up (for exterior use)

	Step 1	Step 2	Step 3	Step 4
Product	EPIFANES Clear Varnish	EPIFANES Clear Varnish	EPIFANES Clear Varnish	EPIFANES Rubbed Effect Varnish
Number of coats	1	1	2 or more	1 or 2
Thinning ratio	25 - 35 %	10 - 25%	0 – 5%	0 – 5%
Drying time @ 20°C.	24 hours	24 hours	24 hours	12 hours
Sanding grit	P220 dry Sand by hand along the wood grain.	P280 Sand by hand along the wood grain.	P280 – P320 Sand by hand or use Scotch Brite.	P400 Sand by hand or use Scotch Brite.
Remarks	1st. penetrating high gloss varnish coat. For full varnish penetration inside the wood fibres, apply this coat thinned.	2nd. penetrating high gloss varnish coat.	Openporic wood may need more high gloss varnish coats for sufficient build up.	Lightly sand between these satin coats.

Coverage Theoretical
Coverage practical

$15m^2$ per liter @ 30 µm dry filmthickness
Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

Recoatability with other Epifanes varnishes

Epifanes Rapidclear - Epifanes Woodfinish Gloss - Epifanes Clear Varnish
Epifanes Rapidcoat - Epifanes Woodfinish Matte - Epifanes Aqua Marine Varnish

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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