

Epifanes PU Speedcoat Clear Gloss

Two-component PU varnish with high end UV filters



PRODUCT DESCRIPTION

This professional varnish with the latest UV filters has an extreme high gloss. The UV filter protects the wood against discoloration and prevents loss of gloss of the varnish system. It withstands all natural elements even in tropical climates. Dedicated to spray application with excellent flow and extreme fast overcoating times. This varnish has a high scratch resistance and excellent water resistance. After full cure polishable.

Field of use: Suitable on all existent Poly-urethane varnishes regardless of brand. As an UV protection on epoxy surfaces or as a full system on bare wood. (Note: for faster build up, use Epifanes PP Varnish Extra). It can also be used as an extreme high gloss clearcoat on Epifanes Poly-urethane Yacht coatings.

PRODUCT INFORMATION

Type	Chemical drying
Base	Acrylic poly-ol
Gloss	High gloss
Colour	Transparent
Density @ 20°C.	1,040 g/cm ³
Viscosity	40 seconds DIN-cup 4 mm
Solids Contents	60 ± 2 vol. %
VOC-level	408 g/l (mixture)
Packing	2 kg. Component A + 1 kg. Component B. = 3 kg
Shelf life	In closed unopened container stored in a dry room at temperatures between 5 - 30°C Component A 3 years after production date Component B 1 year after production date
Mixing ratio	By weight: 2 parts Base component A + 1 part Curing component B (2 :1)
Rec. film thickness	60 - 70 µm wet = 35 - 40 µm dry
Induction time 20°C.	10 minutes
Thinner spray	Epifanes PU Speedcoat Spraythinner / Epifanes PU Speedcoat Thinner Slow
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning.

Drying times	10°C.	15°C.	20°C.	25°C.
Dust dry	2 hours	1.5 hours	1 hour	1 hour
Recoatable (wet-on-wet)	3 hours	2 hours	1 hour	1 hour
Sandable	48 hours	30 hours	24 hours	20 hours
Potlife after mixing	5 hours	4 hours	3 hours	2 hours

The above mentioned drying times are indicative at 65% RAH and 35 µm dry film thickness. Drying also depends on the amount of ventilation and applied wet film thickness. Higher wet film thickness and/or poor ventilation results in longer drying times. Especially horizontal parts may take longer to dry due to high wet film thickness. Allow each varnish coat sufficient time to dry. Do not apply wet-on-wet!

Substrate Bare wood : Clean with Epifanes Cleaning Solvents and sand with P180. Start film building with Epifanes PP Varnish. Apply the PU Speedcoat Gloss thereafter.
Maintenance of varnish: degreased and sanded P240. Polishing: After 1 week at 20°C



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APPLICATION

Conditions during application Temperature **minimal 10°C. - maximal 30°C.**
Relative air humidity **minimal 50% - maximal 75%**

Best results are achieved with a spray gun. We always recommend a RP spray gun, but you can also use a HVLP or Conventional spray gun. Evenly distribute the varnish on the surface. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Avoid large differences in temperature of the product, surface to be varnished and working area. Wet-on-wet application is possible when the solvents have evaporated. When applying another coat after 48 hours, always sand by hand along the wood grain.

Guidelines for spray application:

Thinning volume	Nozzle RP	Pressure	Visco DIN-cup 4 mm
15-20%	1.1 mm - 1.3 mm	2 - 2.5 Bar	18-20 sec.

SYSTEM BUILD UP

Product	Step 1 EPIFANES PP Varnish extra	Step 2 EPIFANES PP Varnish extra	Step 3 EPIFANES PU Speedcoat Clear Gloss
Numb. of coats	1	At least 3, but the more, the better	3-4
Thinner	EPIFANES Thinner for PP Varnish	Epifanes Thinner for PP Varnish	EPIFANES PU Speedcoat Spraythinner
Thinning ratio	25%	0-10%	15-20%%
Drying time 20°C.	2-3 hours	2-3 hours	1 hour
Sanding grit	Dry P220	No sanding between coats within 48 hours. After 48 hours always sand with P280-P320	No sanding between coats within 48 hours. After 48 hours always sand with P320
Remarks	First penetrating varnish coat. For full varnish penetration inside the wood fibers, apply this first coat heavily thinned.	PP Varnish Extra may be thinned with Epifanes PU Brushthinner. This slow evaporating thinner will allow the PP Varnish Extra to flow better. Sand final coat with P280-P320.	

Theoretical coverage Practicle coverage

15m² per liter @ 40 µm dry film thickness

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 Clear Varnish	1-C High gloss alternative
Epifanes Woodfinish Gloss	1-C High gloss alternative
Epifanes Woodfinish Matte	1-C Matt finish for interior / exterior use
Epifanes Rubbed Effect Varnish	1-C Satin finish for interior use
Epifanes Poly-urethane Clear Gloss	2-C Gloss finish with UV Filter (brush application)
Epifanes Poly-urethane Clear Satin	2-C Satin finish with UV Filter (brush application)
Epifanes PU Speedcoat Clear Satin	2-C Spray finish for interior / exterior use with UV filter

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, we 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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W. Heeren & Zoon BV
Oosteinderweg 32
1432 AL Aalsmeer
Netherlands
Phone +31 297 – 360366
info@epifanes.nl
www.epifanes.nl

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Yacht Coatings