Technical Datasheet EN-012 09-2026

Epifanes PU Speedcoat Clear Gloss

Professional two-component PU Gloss varnish with high end UV





PRODUCT DESCRIPTION

This professional clear gloss 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	Extreme high Gloss
Colour	Fully transparent
Density @ 20°C.	1040 gr. / dm^3
Viscosity @ 20°C.	40 seconds IS0-cup 4 mm
Solids contents	60 ± 2 vol. %
VOS-level	408 gram/liter (mixture)
Packing	2 kg. Component A + 1 kg. Component B. = 3 kg
Shelf life	In closed original container if stored in a location with temperatures between 5 - 30°C Base component A : 3 years – Curing component B : 1 year
Mixing ratio by weight	2 parts base component A + 1 part curing component B
Induction time @ 20°C.	10 minutes
Rec. filmthickness	60 - 70 µm wet = 35 - 40 µm dry
Thinner spray	Epifanes PU Speedcoat Thinner / Epifanes PU Speedcoat Thinner Slow
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning.
Tools	HVLP and RP air spray only

Drying times	12°C.	15°C.	20°C.	25°C.
Dustdry	2 hours	1.5 hours	1 hour	1 hour
Recoatable (wet-on-wet)	3 hours	2 hours	1 hour	1 hour
Pot life after mixing	5 hours	4 hours	3 hours	2 hours

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EPIFANES® Yacht Coatings

The above mentioned drying times are indicative at 65% RAH and 35 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!

Substrate

Bare wood: Degreased with Epifanes Spraythinner for Paint & Varnish and sanded P180 - P220.
Existing 2-C varnish: Degreased with Epifanes Spraythinner for Paint & Varnish and sanded P240 For a good grip on the varnish in place, thin 1st. varnish coat 10 – 15%

APPLICATION / WORKING ENVIRONMENT

Conditions during application	**Temperature**	**minimal 12°C. - maximal 30°C.**
	Relative air humidity	**minimal 50% - maximal 70%**

Epifanes PU Speedcoat is designed for spray applications only. Apply sufficient, but not excessive wet films to avoid the formation of curtains and drying problems. Avoid varnishing in direct sunlight or much wind. A rapid loss of solvents will occur under these conditions and will decrease the flow. Avoid large differences in temperature of the product, surface to be varnish and working area. To retrieve the original colour of the wood, up to 10% Epifanes Mahogany Stain or Epifanes Teak Stain may be added to the varnish.

Guideline for spray settings:

Thinning volume	Nozzle RP	Pressure	Vicosity DIN cup 4 mm
15 – 20%	1.1 mm – 1.3 mm	2 – 2.5 Bar	18 – 19 seconds

System build-up

	Step 1	Step 2	Step 3
Product	**EPIFANES PP Varnish Extra**	**EPIFANES PP Varnish Extra**	**EPIFANES Poly-urethane PU Speedcoat Clear Gloss**
Number of coats	**1**	**At least 3, preferably more. More coats will further fill the wood grain and will deepen the lustre.**	**3 - 4**
Thinning ratio	**25%**	**0 - 10 %**	**15 -20%%**
Drying time @ 20°C.	**2 - 3 hours**	**2 - 3 hours**	**24 hours**
Sanding grit	**P220 dry Sand by hand along the wood grain.**	**No sanding between coats within 48 hours. After 48 hours always sand with P320.**	**No sanding between coats within 48 hours. After 48 hours always sand with P320**
Remarks	**1st. penetrating varnish coat. For full varnish penetration into the wood fibers, apply this first coat 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 PP Varnish Extra with P320 before applying the first coat. Between coats only lightly sanding is required.**

Coverage Theoretical
Coverage practical

$15m^2$ per liter.@ 40 µm dry filmthickness
Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

Polishing

After 7 days full cure @ 20°C

Recoatability with other Epifanes varnishes

Epifanes Clear Varnish - Epifanes Rubbed Effect Varnish - Epifanes Rapidclear
Epifanes Woodfinish Gloss - Epifanes Woodfinish Matte - Epifanes Rapidcoat
Epifanes Poly-urethane Clear gloss / Satin - Epifanes PU Speedcoat Clear Satin

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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