

# Epifanes PU Speedcoat Clear Gloss

Two-component PU varnish with high end UV filters



## PRODUCT DESCRIPTION

This varnish with the latest UV filters has an extreme high gloss. The UV filter protects the wood against discoloration. The UV filters prevent loss of gloss of the varnish system. It can therefore withstand 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

<b>Type</b>	Chemical drying
<b>Base</b>	Acrylic poly-ol
<b>Gloss</b>	High gloss
<b>Colour</b>	Transparent
<b>Density at 68°F.</b>	1,040 g/cm <sup>3</sup>
<b>Viscosity</b>	40 seconds ISO-cup 4 mm
<b>Solids Contents</b>	60 ± 2 vol. %
<b>VOC-level</b>	408 g/l ( mixture )
<b>Packing</b>	2 kg. Component A + 1 kg. Component B. = 3 kg
<b>Shelf life</b>	In closed unopened container stored in a dry room at temperatures between 41-86°F Component A 3 years after production date Component B 1 year after production date
<b>Rec. film thickness</b>	2-2.5 mil wet = 1-1.5 mil dry
<b>Induction time 68°C.</b>	10 minutes
<b>Thinner spray</b>	Epifanes PU Speedcoat Spraythinner / Epifanes PU Speedcoat Thinner Slow
<b>Thinning in general</b>	Thinning ratio depends on product temperature and working area. Avoid overthinning.

Drying times	50°F.	59°F.	68°F.	77°F.
Dust dry	2 hours	1.5 hours	1 hour	1 hour
Recoatable	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 1 mil 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 180G. Start film building with Epifanes PP Varnish. Apply the PU Speedcoat Gloss thereafter.  
Maintenance of varnish: degreased and sanded 320G.  
Polishing: After 1 week at 68°F



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### APPLICATION

Conditions during application Temperature **minimal 50°F. - maximal 86°F.**  
 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	30-37 psi	18-20 sec.

### SYSTEM BUILD UP

Product	Step 1 EPIFANES PP Varnish extra	Step 2 EPIFANES PP Varnish extra	Step 3 EPIFANES PU SpeedcoatClear 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 68°F.	2-3 hours	2-3 hours	1 hour
Sanding grit	Dry 220G	No sanding between coats within 48 hours. After 48 hours always sand with 320G	No sanding between coats within 48 hours. After 48 hours always sand with 320G
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 PP Varnish Extra with 320G before applying the first coat.

**Theoretical coverage**  
**Practicle coverage**

160ft<sup>2</sup> per liter @ 1.5 mil dry film thickness  
 Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

**Recoatibility 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
- Epifanes Poly-urethane Clear Satin 2-C Satin finish with UV Filter
- 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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