

# Epifanes Poly-urethane Clear Satin Varnish

## A two-component clear satin yacht varnish with UV filter

<b>Type</b>	Chemical drying						
<b>Base</b>	Polyester saturated, aliphatic urethane						
<b>Properties</b>	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.						
<b>Field of application</b>	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.						
<b>Colour</b>	Waterclear						
<b>Gloss</b>	Satin						
<b>Density</b>	1,07 kg/dm <sup>3</sup>						
<b>Viscosity</b>	40 seconds ISO-cup 6 mm.						
<b>Solids contents</b>	50 ± 2 weight % = 40 ± 2 volume %						
<b>VOC-level mixed product</b>	538 gram / liter						
<b>Packing</b>	500gr. base + 250gr. cure = 750gr. 2 kg. base + 1 kg. cure = 3 kg.						
<b>Mixing ratio by weight</b>	2 parts base component A : 1 part curing component B						
<b>Induction time at 20°C. / 65% RLV</b>	10-15 minutes						
<b>Potlife after mixing</b>	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th style="width: 33%;">at 12°C</th> <th style="width: 33%;">at 20°C</th> <th style="width: 33%;">at 30°C</th> </tr> </thead> <tbody> <tr> <td>4 - 6 hours</td> <td>3 - 4 hours</td> <td>2 - 3 hours</td> </tr> </tbody> </table>	at 12°C	at 20°C	at 30°C	4 - 6 hours	3 - 4 hours	2 - 3 hours
at 12°C	at 20°C	at 30°C					
4 - 6 hours	3 - 4 hours	2 - 3 hours					
<b>Shelf life unmixed</b>	In closed container stored in a dark location between 5- 25°C. approx. 2 years						
<b>Conditions during application and drying</b>	Temperature minimal 12°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%						
<b>Brushthinner</b>	Epifanes Poly-urethane Brushthinner						
<b>Spraythinner</b>	Epifanes Poly-urethane Spraythinner						
<b>Thinner guideline</b>	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
<b>Application tools</b>	Nylon roller - conventional air spray						
<b>Recommended filmthickness / coat</b>	60-80 µm wetfilmthickness = 30-35 µm dryfilmthickness						
<b>Application recommendations</b>	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.						

# Epifanes Poly-urethane Clear Satin Varnish

## A two-component clear satin yacht varnish with UV filter

**Theoretical coverage** 11 m<sup>2</sup> 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					

## Epifanes Poly-urethane Clear Satin Varnish

**A two-component clear satin yacht varnish with U.V. filter.**

***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 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.

September 2012

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.

**DISCLAIMER OF WARRANTIES.** Seller makes no express warranties.

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. In the event a warranty is created by law, buyer's EXCLUSIVE REMEDY shall be the replacement of any defective product. No other remedy ( including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss ) shall be available to buyer.