

# Epifanes PU Speedcoat

## A professional clear finishing UV varnish for spray applications

<b>Type</b>	Chemical drying						
<b>Base</b>	Acrylic poly-ol						
<b>Properties</b>	A professional two-component finishing yacht varnish with U.V. filter. Resistant to weathering, chemicals, scratching and loss of gloss. The outstanding flow characteristics make this two-component varnish highly suited for spray application.						
<b>Field of application</b>	Suited as an indoor (clear satin) and outdoor (clear gloss) finishing varnish for spray applications only on a build up of two-component varnish systems (i.e. Epifanes PP Varnish Extra). As U.V.-resistant and protective finishing coat on epoxy resin.						
<b>Colour</b>	Waterclear						
<b>Gloss level</b>	<b>Epifanes PU Speedcoat Clear Gloss:</b> Extreme high gloss <b>Epifanes PU Speedcoat Clear Satin :</b> Warm satin sheen						
<b>Density</b>	1,07 kg/dm <sup>3</sup>						
<b>Viscosity</b>	40 seconds ISO-cup 4 mm.						
<b>Solids contents</b>	50 ± 2 weight % = 40 ± 2 volume %						
<b>VOC-level mixed product</b>	569 gram / liter						
<b>Packing</b>	2 kg. base component A + 1 kg. curing component B = 3 kg.						
<b>Mixing ratio by weight</b>	2 parts base component A : 1 part curing component B						
<b>Mixing instructions</b>	Well stir base component A prior to adding curing component B. Stir both component together for at least 5 minutes to a homogeneous substance. (2 minutes with mechanical stirring). Add thinner after mixing!						
<b>Induction time at 20°C. / 65% RLV</b>	5-10 minutes						
<b>Potlife after mixing</b>	<table border="1"> <thead> <tr> <th>at 12°C</th> <th>at 20°C</th> <th>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
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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>Spraythinner</b>	Epifanes PU Speedcoat Thinner						
<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>	Conventional spray or HVLP air spray. Not suited for brush/roller applications						
<b>Recommended filmthickness / coat</b>	60-80 µm wetfilmthickness = 30-40 µm dryfilmthickness						
<b>Application recommendations</b>	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.						
<b>Substrate conditions</b>	Well cured, cleaned, degreased, sanded, intact well adhering two-component varnish systems, i.e. build up of Epifanes PP Varnish Extra.						

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**Theoretical coverage** 12 m<sup>2</sup> per kg. @ 35 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 / HVLP spray	RP spray
Thinning volume	20 - 30%	25 - 30%
Nozzle	1.2 - 1.6 mm	1.1 - 1.2 mm
Pressure on pistol	2 - 2.5 bar	2.5 bar
Viscosity DIN-cup 4 mm (20°C.)	18 - 20 sec.	18 - 20 sec.

**Application remarks** Airless spray not advised. Pressure feed paint container: Pot life will be shortened due to temperature increase in the container. Before spraying, check filterhouse and filters on contamination.

### Drying times @ 20°C. / 65% RAH and 30 µm dry filmthickness

Dustdry	Sandable	Recoatible	Through hardened
1 hour	24 hours	24 hours	14 days

**Recoatibility wet-on-wet** With itself wet-on-wet after 60-90 minutes.  
Note: maximum 3 coats.

**Polishing** After 7 days curing time

**Recoatible 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 Varnish / Clear Satin Varnish

**Intercoat sanding** Not required (wet-on-wet application.)  
See recoatability.

**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.

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