

Epifanes PU Speedcoat

A professional clear finishing UV varnish for spray applications

Type	Chemical drying						
Base	Acrylic poly-ol						
Properties	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.						
Field of application	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.						
Colour	Waterclear						
Gloss level	Epifanes PU Speedcoat Clear Gloss: Extreme high gloss Epifanes PU Speedcoat Clear Satin : Warm satin sheen						
Density	1,07 kg/dm ³						
Viscosity	40 seconds ISO-cup 4 mm.						
Solids contents	50 ± 2 weight % = 40 ± 2 volume %						
VOC-level mixed product	569 gram / liter						
Packing	2 kg. base component A + 1 kg. curing component B = 3 kg.						
Mixing ratio by weight	2 parts base component A : 1 part curing component B						
Mixing instructions	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!						
Induction time at 20°C. / 65% RLV	5-10 minutes						
Potlife after mixing	<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
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Shelf life unmixd	In closed container stored in a dark location between 5 - 25°C. approx. 2 years						
Conditions during application and drying	Temperature minimal 12°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%						
Spraythinner	Epifanes PU Speedcoat Thinner						
Thinner guideline	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
Application tools	Conventional spray or HVLP air spray. Not suited for brush/roller applications						
Recommended filmthickness / coat	60-80 µm wetfilmthickness = 30-40 µm dryfilmthickness						
Application recommendations	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.						
Substrate conditions	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 m² 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	3 - 3.5 bar	2.5 bar
Viscosity DIN-cup 4 mm (20°C.)	13 -14 sec.	14 - 18 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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