

## Epifanes Poly-urethane Yacht Coating (all Colours)

### A very hard two-component topcoat

<b>Type</b>	Chemical drying						
<b>Base</b>	Polyester saturated, aliphatic urethane						
<b>Properties</b>	A high gloss two-component yacht paint with excellent outdoor durability and weather resistance. Scratch resistant and very long gloss retention. Provides a perfect flow and easy application by brush, roller or spray.						
<b>Field of application</b>	GPR - Steel - Wood - Aluminium: Suited for topcoating two-component primer systems above the waterline. Also suited for epoxy resin treated surfaces. Can be applied directly on thoroughly degreased and sanded fibreglass. Intermediate coat on epoxy resins or epoxy paints prior to the application of traditional one-component paints.						
<b>Colour</b>	24 standard colours according to Epifanes colour fan Custom made colours available in high gloss and satin						
<b>Gloss</b>	Extreme high gloss						
<b>Density</b>	1.10 - 1.30 kg/dm <sup>3</sup> (dependant on colour)						
<b>Viscosity</b>	40 seconds ISO-cup 4 mm.						
<b>Solids contents</b>	45 - 50± 2 vol. %						
<b>VOC-level mixed product</b>	569 gram / liter						
<b>Packing</b>	500gr. base + 250gr. cure = 750gr. (standard colours) 2 kg. base + 1 kg. cure = 3 kg. (custom made colours)						
<b>Mixing ratio by weight</b>	2 parts base component A : 1 part curing component B						
<b>Mixing ratio by volume</b>	Dependent on colour						
<b>Induction time at 20°C. / 65% RLV</b>	10-15 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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<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>Brush / roller thinner</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>	Soft, longhaired brush (oval/full style) - conventional air spray. Use shorthaired mohair or fine foam rollers suited for P.U.						
<b>Recommended filmthickness / coat</b>	60-80 µm wetfilmthickness = 30-40 µm dryfilmthickness. For longterm outdoor durability and gloss retention a total of 100-120 µm dry fillmthickness should be applied. This equals 3 coats (4 coats if applied by roller).						
<b>Application recommendations</b>	Distribute the paint by roller and brush out to a smooth paintfilm with a soft longhaired brush of good quality. Do not overbrush. Do not apply wet-in-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems. Avoid applying in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability.						

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## A very hard two-component topcoat

**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	Brush / Roller
Thinning volume	10	0-5%
Nozzle	1.4 - 1.8 mm	
Pressure	3	
Viscosity DIN-cup 4 mm	20 - 22 sec.	

**Application remarks**

Airless spray not advised. Pressure feed paint container: Pot life will be shortened due to temperature increase in the container.

**Drying times @ 20°C. / 65% RAH and 35 µm dry filmthickness**

Dustdry	Sandable	Recoatible	Through hardened
2 hours	24 hours	24 hours	7 days

**Intercoat sanding**

If subsequent coat is applied within 24 to 48 hours, intercoat sanding is not necessary. If recoated after 48 hours, sand with P360-400 wetordry abrasive paper.

**One-component recoatability**

After 24 hours and sanding with P 240-280 wetordry abrasive paper.

Epifanes Mono-urethane Yacht Paint - Epifanes Yacht Enamel  
Epifanes Nautiforte Yacht Paint - Epifanes Nonskid Deckcoating

**Substrate conditions**

Intact well adhering cleaned, degreased and sanded two-component paint or primer systems

**Recommended primers**

GRP	Steel	Wood	Aluminium
Epifanes Poly-urethane Primer	Epifanes Epoxy Primer + Epoxy HB Coat	Epifanes Epoxy Primer or Epoxy HB Coat	Epifanes Epoxy Primer + Epoxy HB Coat
1-2 coats	3 coats	1-2 coats	1-2 coats

**Remarks regarding primer system**

Sand every primer coat with P 220 dry. On **new** aluminium, first apply one thin coat Epifanes Washprimer AQ.

**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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