

Epifanes Poly-urethane Primer

A quick drying Poly-urethane Undercoat

Type	Chemical drying						
Base	Polyester saturated, aliphatic urethane						
Properties	Two-part semi gloss poly-urethane primer/ undercoat. Provides smooth pinhole free surface prior to topcoating with high gloss Epifanes Poly-urethane Topcoat. Quick drying, medium filling and excellent sandibility. Provides a perfect flow and easy application by brush, roller or spray.						
Field of application	GPR - Suitable as filling undercoat for interior and exterior on bare fiber-glass. Also for use on existing poly-urethane based finishes or on epoxy based systems above the waterline for fresh and salt water.						
Colours	Standard : White RAL 9010 - Black RAL 9011 On request : Grey RAL 7000 - Red RAL 3000 Blue RAL 5010 - Yellow RAL 1021						
Gloss	Semi Gloss						
Density	1.20 - 1.60 kg/dm ³ (dependant on colour)						
Viscosity	Depending on colour						
Solids contents	52 ± 2 vol.%						
VOC-level mixed product	398 gram / liter						
Packing	600gr. base + 150gr. cure = 750gr. 2,4 kg. base + 600gr. cure = 3 kg.						
Mixing ratio by weight	4 parts base component A : 1 part curing component B						
Mixing ratio by volume	Dependent on colour						
Induction time at 20°C. / 65% RLV	10-15 minutes. Stir well both components separately prior to mixing.						
Potlife after mixing	<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>2 hours</td> <td>1 hours</td> <td>30 minutes</td> </tr> </tbody> </table>	at 12°C	at 20°C	at 30°C	2 hours	1 hours	30 minutes
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Shelf life unmixed	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%						
Brush / roller thinner	Epifanes Poly-urethane Brushthinner						
Spraythinner	Epifanes Poly-urethane Spraythinner						
Thinner guideline	Add thinner after mixing both components. Thinning ratio depends on temperature of mixed product and work area.						
Application tools	Soft, longhaired brush (oval/full style) - conventional air spray. Use shorthaired mohair or fine foam rollers suited for P.U.						
Recommended filmthickness / coat	80 - 120 µm wetfilmthickness = 40 - 60 µm dryfilmthickness.						
Application recommendations	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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Theoretical coverage 10 m² per kg. @ 50 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	10-15	0-5%
Nozzle	1.4 mm	
Pressure	4	
Viscosity DIN-cup 4 mm	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
2.5 hours	24 hours	6 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.

Recoatibility After 24 hours and sanding with P 220-240 wetordry abrasive paper.

Two-component Epifanes Poly-urethane Yacht Coating

One-component 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. Well degreased and sanded fiberglass surfaces above the waterline.

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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