Epifanes Poly-urethane Primer

Two component primer for above the waterline

| | | | | M²/L COVERAGE 100ft²/L | HRS. DRYING 24 |

PRODUCT DESCRIPTION

A tough modern two component poly-urethane primer for above the waterline. This primer has excellent filling properties and still has a good flow. The primer is fast drying and is easy to sand, therefore creating a very smooth surface for the top coat.

Field of use: This primer can be used in two different ways. As a primer coat for FRP to fill small cracks and pinholes or as an undercoat in a two component system. As a primer for FRP repair this primer fills small problems in the gelcoat to give a smooth surface to paint. It could also be used as an undercoat in a two component system. An Epoxy Primer is hard to get very smooth. For that reason the PU Primer can be applied and sand back very smooth and evenly. This creates the perfect basecoat for a finish. The additional benefit is that the Poly-urethane Primer can be recoated with a single part or a two part.

PRODUCT INFORMATION

Type	Chemical drying
Base	Polyester poly-ol with isocyanate hardener
Gloss	Satin
Colour	White - Grey - RAL colours on request
Density at 68°F.	1.20 - 1.60 g/cm³ depending on colour
Viscosity	45
Solids Contents	45 ± 2 vol. %
VOC-level	457 g/l
Packing	750gr. - 3000gr.
Shelf life	In closed unopened container stored in a dry room at temperatures between 41 - 86°F approx. 3 years.
Rec. film thickness	3-5 mil wet = 1.5-2 mil dry

Potlife after mixing	**59°F.**	**68°F.**	**77°F.**
	3 - 4 hours	2 - 3 hours	1 - 2 hours

Thinner brush	Epifanes Poly-urethane Brush thinner / Epifanes PU slow Reducer (extra slow)
Thinner spray	Epifanes Poly-urethane Spraythinner
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning. For thinning ratios, refer to the Epifanes paint systems.

Drying times at 65% RLV	50°F.	59°F.	68°F.	77°F.
Dust Dry	2 hours	1.5 hours	1 hour	45 min.
Sandable	24 hours	15 hours	12 hours	10 hours
Recoatable	Min. 12 hours	Min. 8 hours	Min. 6 hours	Min. 5 hours

Attention! Do not apply the Epifanes PU Primer when the temperature is below 50°F. The above mentioned drying times are indicative at 65% RAH and 1.5 mil dry film thickness. Drying also depends on the amount of ventilation and applied wet film thickness. Higher wet film thickness and/or limited ventilation results in longer drying times. Especially flat surfaces may take longer to dry due to high wet film thickness. Allow each paint coat sufficient time to dry. Do not apply wet-on-wet!

EPIFANES®
Yacht Coatings

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APPLICATION

Conditions during application Temperature	minimal 50°F. - maximal 86°F.
Relative air humidity	minimal 50% - maximal 75%

Best results are achieved by roller, longhaired soft brush or by spray. Evenly distribute the paint over the surface and do not retip. Do not apply wet-on-wet. Do not apply excessive wet film thickness to avoid the formation of curtains and drying problems. Avoid painting in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability. The maximum difference in temperature between the surface and the paint is 38°F. In case the product "pulls" and is difficult to apply, 10% Epifanes Poly-urethane Brushthinner may be added. After drying, firmly sand the surface with 220G before applying the next coat. Always sand by hand.

Guidelines for spray application:

Thinning volume	Nozzle	Pressure	Visco DIN-cup 4 mm
10 - 15%	1.5 mm - 2.0 mm	45-60 psi	20 - 24 sec.

Surface	Epoxy Primer - Well cleaned with acetone and sanded with 180G. Epoxy HB coat - Well cleaned with acetone and sanded with 180G. Epoxy - Well cleaned with acetone and sanded with 120G. Old coats - Well cleaned with Epifanes Spraythinner and sanded with 180G. FRP - Well cleaned with Epifanes Fiberglass prep cleaner and sanded with 180G.
Additional remark	Sand every coat with dry sandpaper 180-220G. At new aluminium it is recommended to apply 1 coat of Epifanes Wasprimer AQ.
Existing painted surface	Clean the surface well and degrease with Epifanes Spray Thinner. You may now sand the surface with 180-220G. Always clean and degrease again with Epifanes Spray Thinner.
Theoretical coverage **Practicle coverage**	100ft² per liter @ 1 mil dry film thickness The total coverage is dependent on the wet film thickness, the surface, application technique and use of any thinners.
Recoatable one component	Epifanes Mono-urethane Yacht coating - Epifanes Bilge Paint Epifanes Nautiforte Yacht Coating - Epifanes Yacht Enamel - Epifanes Satin Finish
Recoatable two component	Epifanes Poly-urethane Yacht Coating
Fillers	Epifanes Epoxy Filler 1500 or Epifanes Fiberglass Filler.
Safety	The user of this product should obey 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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