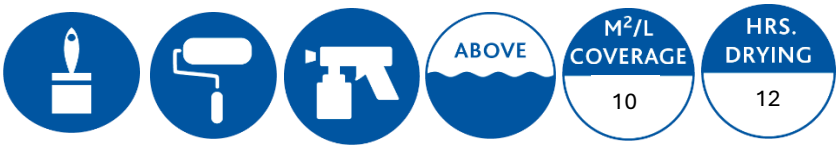
Epifanes Multi Marine Primer

One component all-in one primer





PRODUCT DESCRIPTION

Universal one component, fast drying and easy to sand primer for **above** the waterline. This primer has the ability to protect steel and aluminium surfaces, gives a perfect adhesion to GRP and a very good bonding to wood. With that ability it is a one step primer system for all surfaces above the waterline.

Field of use: GRP - Steel - Wood – Aluminium : Bare surfaces of wood, steel, aluminium, GRP, zinc or any other hard fabrics. Spot repair in one and two component systems. In combination with the Epifanes Washprimer AQ it is even applicable on glass. It is also possible to use this primer on top of painted surfaces to close the system down. With this primer it is possible to seal the current one-component system to make the switch to Epifanes Poly-urethane. It is highly recommended to sand the primer well before applying the first topcoat

PRODUCT INFORMATION

Type	Oxidative drying
Base	Modified epoxy resin
Gloss	Satin
Colour	White – Grey – Black – Redbown
Density @ 20°C.	1250 - 1350 gr. / dm^3 (depending on colour)
Viscosity @ 20°C.	35 seconds DIN-cup 6 mm
Solids contents	50 ± 2 vol. %
VOS-level	465 grams/liter
Packing	750ml. – 2000ml. White and Grey also available in 4000ml.
Shelf life	In closed unopened container stored in a dry room at temperatures between 5 - 30°C / 41°F- 86°F. approx. 3 years.
Rec. filmthickness	90 µm wet = 45 µm dry
Thinner brush	Epifanes Brushthinner for Paint & Varnish or a good quality white spirit.
Thinner Spray	Epifanes Spraythinner for Paint & Varnish or denaturated alcohol.
Thinning in general	Thinning ratio depends on product temperature and working area. Avoid overthinning. For thinning ratios, refer to the Epifanes paint systems.
Tools	Long haired soft brushes of high quality, mohair and/or moltopren roller, conventional air spray.
Coverage theoretical	$10m^2$ per liter @ 45 µm dry filmthickness
Coverage practicle	Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

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EPIFANES® Yacht Coatings

Drying times	10°C. / 50°F.	15°C. 59°F.	20°C./ 68°F.	25°C. / 77°F.
Dustdry	2 hours	1.5 hours	1 hours	45 minutes
Sandable / recoatable	24 hours	18 hours	12 hours	4 hours
Recoateble with 1-comp.	Min. 24 hours	Min. 18 hours	Min. 12 hours	Min. 10 hours
Recoatable with 2-comp.	Min. 96 hours	Min. 72 hours	Min. 48 hours	Min. 48 hours

The above mentioned drying times are indicative at 65% RAH and 45 µm dry filmthickness. Drying also depends on ventilation and applied wet filmthickness. A higher wetfilmthickness and/or poor ventilation results in longer drying times. Especially horizontal parts may take longer to dry due to high wetfilmthickness. Allow each primer coat sufficient time to dry. Do not apply wet-on-wet!

APPLICATION / WORKING ENVIRONMENT

Conditions during application	**Temperature**	**minimal 10°C. - maximal 30°C.**
	Relative air humidity	**minimal 50% - maximal 85%**

Temperatures during application nand drying must be at least 10°C. Best results are achieved by using a roller, longhaired soft brush or by spray. Evenly distribute the paint over the surface and do not retipp. 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 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 3°C. In case the product "pulls" and is difficult to apply, 10% Epifanes Brush thinner may be added. After drying, lightly sand the surface with P400 or Scotch Brite before applying the next coat. Always sand by hand. **Guidelines for spray application:**

Thinning volume	Nozzle	Pressure	Viscosity DIN-cup 4 mm
10 - 15%	**1.5 mm – 2.0 mm**	**3 - 4 Bar**	**20 – 24 seconds**

Substrates

Bare GRP	**Clean, degreased with Epifanes Fibreglass Prep Cleaner and sanded with P220-240. Apply 1 or 2 primer coats. Thin fist coat on bare GRP by 10 – 15%.**
Bare wood	**Clean, dry, degreased with Epifanes Spraythinner for Paint & Varnish and sanded with P220-240. Apply 1 or 2 primer coats. Thin first coat on bare wood by 25%.**
Bare steel/ alum.	**Clean, dry, fee of corrosion, degreased with Epifanes Cleaning Solution or acetone and sanded with P60. Apply 3 primer coats. Thin first coat on bare steel by 20 - 25% .**
Exsisting paint work	**Well bonding, dry, degreased with Epifanes Spraythinner for Paint & Varnish and sanded with P220. Apply 1 coat by 10%.**

Additional remarks	Sand every primer coat with P180 – P220. On new aluminium it is recommended to apply 1 coat of Epifanes Washprimer AQ first.
Fillers	After 48 hours and sanding with P180 – P220 it is possible to apply Epifanes Combi Filler (1-Comp.), Epifanes Epoxy Filler 1500 (2-Comp.) or Epifanes Epoxy Finishing Filler (2-comp.
Recoatability with topcoats	Epifanes Mono-urethane Paint - Epifanes Nautiforte Yacht Coating - Epifanes Satin Finish Epifanes Nonskid Deckcoating - Epifanes Waterline paint - Epifanes Flat Black When using Epifanes Multi Marine Primer as a barrier/switching coat for Poly-urethane, always apply at least 2 primer coats and let each coat cure for at least 48 hours at 20°C. If possible allow the primer system 7 days curing time before sanding with P180 – P220
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.

Although the facts and suggestions in this product information sheet are based on our own research and field experiences and are believed reliable, we cannot simply be held respons performance or results obtained through the use of this product. Ineffectiveness or other unintended consequences may result, because of such factors as weather, conditions, presence materials or the manner of preparation, use or application all of which are beyond W. Heeren & Zoon's control. All such risks are assumed by user. **DISCLAIMER OF WARRANTIES.** Selle no express warranties. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. In the event a warranty is created by law, buyer's EXC REMEDY shall be the replacement of any defective product. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to pe property, or any other incidental or consequential loss) shall be available to buyer.

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