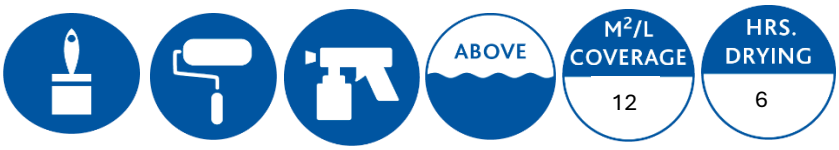
Technical Datasheet EN-202 10-2026

Epifanes Poly-urethane Primer

Two component primer for fibreglass above the waterline





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: GRP. This primer can be used in two different ways. As a bonding and filling primer coat for GRP crack or as an undercoat in a two component system. As primer for GRP repairs this primer fills small cracks and pinholes in the gelcoat to give a smooth surface for finishing. Contrary to an Epoxy Primer which is hard to sand to obtain a smooth surface, Poly-urethane Primer easily sands back to provide a very smooth evenly surface. This creates the perfect basecoat for Poly-urethan finishing. Additional benefit is that Poly-urethane Primer can be recoated with a single pack and two pack topcoats.

PRODUCT INFORMATION

Type	Chemical drying
Base	Polyester poly-ol with isocyanate hardener
Gloss	Semi Gloss
Colour	White – Grey - RAL colours on request
Density @ 20°C.	1200- 1600 gr. / dm^3 (depending on colour)
Viscosity @ 20°C.	45 seconds DIN-cup 6 mm
Solids contents	45 ± 2 vol. %
VOS-level	457 grams/liter
Packing	750gr. – 3 kg. (A + B) 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.
Mixing ratio	By weight : 4 parts component A (base) + 1 part component B (catalyst) Pot life : 3 – 4 hours @ 15°C / 2 – 3 hours @ 20°C. / 1 – 2 hours @ 25°C.
Rec. filmthickness	80 - 120 µm wet = 40 - 60 µm dry
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.
Tools	Long haired soft brushes of high quality, mohair and/or moltopren roller, conventional air spray.
Coverage theoretical	$12m^2$ per kg.@ 50 µm dry filmthickness

W. Heeren & Zoon B.V.
Oosteinderweg 32
1432 AL Aalsmeer - Netherlands
Tel. ++ 31 0297 – 360 366
info@epifanes.nl

EPIFANES® Yacht Coatings

Coverage practicle Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.

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	18 hours	12 hours	6 hours	4 hours
Recoatable with 2-comp.	Min. 18 hours	Min. 12 hours	Min. 6 hours	Min. 4 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 and 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 P180 – P220. Apply 1 or 2 PU primer coats.**
Epoxy primers	**Clean, degreased with Epifanes Cleaning Solution and sanded with P180. Apply 1 or 2 primer coats.**
Epoxy resin	**Clean, degreased with Epifanes Cleaning Solution and sanded with P120. Apply 1 or 2 primer coats.**
Exsisting PU paint systems	**Well bonding, dry, degreased with Epifanes Spraythinner for Paint & Varnish and sanded with P180 – P220. Apply 1 coat thinned 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
Epifanes Epoxy Filler 1500 - Epifanes Epoxy Finishing Filler

Recoatability one-component Epifanes Mono-urethane Paint - Epifanes Yacht Enamel - Epifanes Satin Finish Epifanes Nautiforte Paint - Epifanes Flat Black - Epifanes Nonskid Deckcoat.

Recoatability two-component After sanding P180- P220 : Epifanes Poly-urethane Yacht Coating

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 responsible for 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 or other 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.** Seller makes 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 EXCLUSIVE 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 person or property, or any other incidental or consequential loss) shall be available to buyer.

W. Heeren & Zoon B.V.
Oosteinderweg 32
1432 AL Aalsmeer - Netherlands
Tel. ++ 31 0297 – 360 366
info@epifanes.nl

EPIFANES® Yacht Coatings