

# Epifanes Underwaterprimer

## One-component underwater coating

<b>Type</b>	Physical drying
<b>Base</b>	Btumen reinforced with aluminium
<b>Properties</b>	Flexible underwatercoating for the ( underwater ) protection. Also suited for repair and/or maintenance of existing (coal-)tar layers. May also be used for application above the waterline. Excllelent rust protection.
<b>Field of application</b>	GPR/Fiberglass - steel - fiberglass - wood : underwaterprotection.
<b>Colours</b>	Silver bronze
<b>Gloss</b>	Semi gloss
<b>Density</b>	1.05 kg/dm <sup>3</sup>
<b>Viscosity</b>	Tixotropic
<b>Solids contents</b>	50 +/- 2 vol. %
<b>VOC - level</b>	505 grams/liter
<b>Packing</b>	750ml. - 2000ml. - 4000ml.
<b>Shelf life</b>	In closed original container stored in a dark location between 5 - 25°C approx. 3 years.
<b>Conditions during application and drying</b>	Temperature minimal 10°C. - maximum 28°C. Relative air humidity minimal 50% - maximum 75%
<b>Thinner for brush and roller applications</b>	Epifanes Brushthinner for Paint & Varnish
<b>Thinner for spray applications</b>	Epifanes Thinner D-100
<b>Application tools</b>	Soft, longhaired brush, short haired roller Conventional spraay, airless spray
<b>Recommended filmthickness / coat</b>	100 µm wet = 50 µm dry
<b>Application recommendations</b>	Stir well prior to use and during application. Do not apply wet-in-wet. Do not apply excessive wet films to avoid the formation of curtains and drying problems.
<b>Theoretical coverage</b>	8 - 10 m <sup>2</sup> per liter @ 50 µm dry filmthickness
<b>Practicle coverage</b>	Dependent on condition of substrate, loss of material due to factors such as application technique, shape of object, circumstances during application.
<b>Substrate conditions</b>	Mill scale must be removed. Surface must be clean, degreased, dry, well sanded and free of dust and rust. Remove all salt and other water soluble dirt with fresh water. Remove grease and oil with water and ammonium solution or Epifanes Spraythinner for Paint and Varnish. Remove all rust and loose flakes . Existing coal tar must be at least 7 days old and free of fouling. Soften the coaltar with an aggressive thinner and /or coarsely sand with P60-80.

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### Application advice

Stir well prior to application. The application and drying should occur in well ventilated areas. Always secure sufficient air circulation for supply of fresh air and disposal of solvent fumes in order to avoid health hazards and safety problems. The temperature during application and drying should not be lower than 8°C. Relative air humidity should not exceed 85%. Temperature of object during application and drying should be 3°C above dew point.

### Application details

	Air spray	Airless spray	Brush
Thinning volume	10 - 15 %	5 %	0-5%
Nozzle	1.5 mm – 2.0 mm	0.015 - 0.021 “	
Pressure in bar	3 - 4	150	
Visc. DIN-cup 4 mm	20- 24 sec.	60 - 80 sec.	

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

Dustdry	Recoatable with itself	Launching/antifouling
2 hours	24 hours	5 –14 days

### Recommended total filmthickness

Fresh water areas      500 µm wet = 250 µm dry = 5 coats  
 Salt water areas      600 µm wet = 300 µm dry = 6 coats

### Remark regarding fouling

Underwaterprimer does not contain antifouling properties. To avoid the formation of fouling, two coats Werdol Copperfree or Epifanes Foul Away may be applied on the full Underwaterprimer system..

### Recoatable

Werdol Copperfree  
 Epifanes Foul-Away

**Note** if overcoated with Foul-Away, the first coat might show slight bleeding . If overcoated with other antifouling, a test patch is advised to check the solvent resistance.

### Application remarks

On bare steel and coarsely sanded coal tar apply first coat by stiff brush, thinned by 25% with Epifanes Spraythinner for Paint & Varnish. Subsequent coats may be applied by roller, 0-10% thinned with Epifanes Brushthinner for Paint & varnish

### 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.

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