

# Hempel's Prop Primer

## Product characteristics

### Description

Hempel's Prop Primer is an anti-corrosive spray primer and tiecoat for different substrates. Fast drying with good adherence to glass fibre, steel and other metals.

### Recommended use

For use as primer before antifouling on propellers and outdrives, chock marks and small patches on yachts.

### Features

- Overcoatable with the most common generic types of paint.

## Product safety

**Flash point** 25°C [77°F]

### VOC content

Legislation	Value
EU	774 g/L [6.46 lb/US gal]

According to specific legislation, see details in the Explanatory Notes available at Hempel website, [hempel.com](http://hempel.com) or at your local Hempel website.

### Handling

Handle with care. Before and during use, observe safety labels on packaging and paint containers and follow all local and national safety regulations. Always consult Hempel's Safety Data Sheet for this product along with the Product Data Sheet.

## Product data

### Product code

101EX

### Standard shade / code

Light grey 11320

### Gloss

Flat

### Volume solids

20 ± 2%

### Specific gravity

1 kg/L [8 lb/US gal]

### Reference dry film thickness

30 micron [1.2 mils]

## Surface preparation

### Cleanliness

- Remove oil, grease and other contaminants by suitable detergent cleaning.

#### New build:

- Uncoated surface: Roughening of the surface is recommended for optimum adhesion.
- Remove dust and loose material.

#### Maintenance and Repair

- Previously coated surface: Remove old layers of antifouling, primer and loose matter.
- The surface must be dry and clean prior to application.

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## Application

### Cleaner

Hempel's Thinner 845 08451

### Application method

Tool	Application parameters
Aerosol spray can	Not Applicable.

### Film thickness

	Recommended
Dry film thickness	30 micron [1.2 mils]
Wet film thickness	150 micron [6 mils]
Theoretical spreading rate	6.6 m <sup>2</sup> /L [270 sq ft/US gal]

For best performance, avoid excessive film thickness. Aerosol application can give a lower thickness per coat than other methods. Apply several coats to obtain specified film thickness.

### Application conditions

- To avoid condensation, apply on a clean and dry surface with a temperature that is at least 3°C [5°F] above the dew point.

### Relative Humidity:

- Relative humidity must be below 85% during drying and curing.

### Application remarks

- Mask other areas including the anodes prior to application.
- Shake well before use.
- Spray from a distance of 20 - 30 cm from surface. Apply one layer of the product at a time until a smooth, uniform surface is obtained. Shake can occasionally during use. Spray upside down at the end of spraying to clean the nozzle.
- Overcoat with chosen antifouling.

## Drying and overcoating

### Product compatibility

- Previous coat: None.
- Subsequent coat: Recommended product is: Hempel's Ecopower Prop

### Drying time

Surface temperature		10°C [50°F]	20°C [68°F]
Touch dry	min	40	20

Determined for dry film thickness 30 micron [1.2 mils] at standard conditions, see Hempel's Explanatory Notes for details.

### Overcoating

Hempel's specification supersedes any guidelines indicated in the overcoating table

Quality name		10°C [50°F]	20°C [68°F]	30°C [86°F]
Immersion				
Hempel's Prop Primer	Min	-	-	-
	Max	-	-	-
Hempel's Ecopower Prop 7446X	Min	-	-	-
	Max	-	-	-

### Drying conditions

- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.
- Condensation on the freshly applied coating should be avoided.

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## Storage

### Shelf life

Ambient temperature	25°C [77°F]
Product	60 months

Shelf life from date of production, when stored in original, unopened containers. Thereafter, the product quality must be re-inspected. Storage at elevated temperatures may reduce shelf life. For advice, please consult Hempel.

### Storage conditions

- Product must be stored according to local legislation, at 5°C [41°F] without direct sunlight and protected from rain and snow.

## Additional documents

Additional information is available at the Hempel website  
<https://www.hempel.com/service-and-support/technical-guidelines>  
or at your local Hempel website:

- Explanatory Notes for Product Data Sheet.
- Application methods.
- Further information: Hempel Yacht Paint Manual and [hempeilyacht.com](http://hempeilyacht.com)

This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to updating from time-to-time. Accordingly, the buyer/applicator should have regard to the PDS supplied together with the relevant batch of the Product (and not an earlier version). In addition to the PDS, the buyer/applicator may receive some or all of the following specifications, statements and/or guidelines as listed below or as are available from the Hempel website under 'Products' at [www.hempel.com](http://www.hempel.com) (the "Additional documents"):

No.	Document description	Location/comments
1.	Technical Statement	One-off specific advice provided on request for specific projects
2.	Specification	Only issued for specific projects
3.	PDS	This document
4.	Explanatory Notes to the PDS	Available at <a href="http://www.hempel.com">www.hempel.com</a> and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at <a href="http://www.hempel.com">www.hempel.com</a>
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at <a href="http://www.hempel.com">www.hempel.com</a>

In the event of a conflict of information between the PDS and the Additional documents, the order of priority of information shall be in the order as set out above. In such event you should also contact your representative at Hempel for clarification. Furthermore, the buyer/applicator must have full regard to the relevant Safety Data Sheet provided with each Product and which can also be downloaded from [www.hempel.com](http://www.hempel.com).

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