

Hempel's Underwater Primer 26030

Product characteristics

Description

Hempel's Underwater Primer is a fast drying underwater primer containing aluminium flakes. For use as a sealer onto old antifouling or as a tiecoat over an epoxy primed surface before antifouling.

Recommended use

Suitable on glass fibre, wood and steel. For use on all areas below the waterline including keels.

Product safety

Flash point 35°C [95°F]

VOC content

Legislation	Value
EU	478 g/L [3.99 lb/US gal]

According to specific legislation, see details in the Explanatory Notes available at Hempel website, 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

26030

Standard shade / code

Aluminium grey 19000

Volume solids

39 ± 2%

Specific gravity

1.1 kg/L [10 lb/US gal]

Reference dry film thickness

50 micron [2.0 mils]

Surface preparation

Cleanliness

- Remove oil, grease and other contaminants by suitable detergent cleaning.
- Clean with Hempel's Pre-Clean.

New build:

- Uncoated surface: Sand and remove all dust.
- New wood: Saturate the dry, clean surface with a suitable wood treatment, allow to dry.
- Steel: Remove salt and other contaminants by (high pressure) fresh water cleaning. Remove all rust and loose material by abrasive blasting or power tool cleaning. Dust off residues.
- Prime with specified Hempel's Primer.

Maintenance and Repair

- Previously coated surface: Abrade, clean and dry the surface.
- Spot repair and sand to obtain a uniform surface profile.

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Application

Thinner

Hempel's Thinner 811 08111

Cleaner

Hempel's Thinner 811 08111

Application method

Tool	Thinning max vol.
Roller	5%
Brush	5%
Paint Pad	5%
Airless spray	20%

Keep thinning at an absolute minimum. The product can be applied by spray. Contact Hempel for more information. Spray data are indicative and subject to adjustment. Pressure is for a material temperature of 20°C [68°F].

Film thickness

	Recommended
Dry film thickness	50 micron [2.0 mils]
Wet film thickness	129 micron [5.2 mils]
Theoretical spreading rate	7.8 m ² /L [318 sq ft/US gal]

For best performance, avoid excessive 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

- Stir well before use.
- Prime porous surfaces with first coat of the product thinned with specified Hempel's Thinner: max 20%.
- Apply 2 full coats undiluted.
- Previously epoxy primed surface: Apply 1 coat of the product as a tiecoat.
- Overcoat two component products with a single component product whilst the surface is almost dry but has a slight tacky feel.
- Previously coated surface: Apply 1 full coat undiluted.
- Add thinner to assist application if necessary: max 5%.
- Overcoat with chosen antifouling.

Drying and overcoating

Product compatibility

- Previous coat: Recommended products are: Hempel's Sealer (for new wood), Hempel's Light Primer
- Subsequent coat: Recommended products are: Hempel's Antifouling

Drying time

Surface temperature		20°C [68°F]	10°C [50°F]
Touch dry	hours	3	6

Determined for dry film thickness 50 micron [2.0 mils] at standard conditions, see Hempel's Explanatory Notes for details.

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Overcoating

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

Quality name		10°C [50°F]	20°C [68°F]
Immersion			
Hempel's Underwater Primer 26030	Min	4½ h	2½ h
	Max	Ext*	Ext*
Hempel's Mille NCT 71880	Min	4½ h	2½ h
	Max	Ext*	Ext*
Hempel's Hard Racing TecCel 76880	Min	4½ h	2½ h
	Max	Ext*	Ext*

Ext*: Depending on the actual exposure conditions, the coated surface is overcoatable for an extended period of time. Contact your local Hempel representative for advice.

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.

Overcoating details

- No maximum overcoating interval, but if the surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.

Other remarks

- The surface must be clean before overcoating.

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 minimum 5°C [41°F], without direct sunlight and protected from rain and snow.

Carbon Footprint

Dry film thickness	1 µm	1 mil
GWP (Global Warming Potential)	13.3 g CO ₂ e/m ²	0.069 lb CO ₂ e/ft ²

The carbon footprint is for 1 square meter / square foot of surface area with a dry film thickness of 1 micron / mil.

The scope includes raw materials, in-bound transport to the Hempel factory, Hempel manufacturing processes, and any Volatile Organic Compounds emitted during and after the application of the product.

It is calculated based on the standard shade defined in this PDS. Values may vary with shade.

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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 hempelyacht.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 (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 www.hempel.com and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at www.hempel.com
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at www.hempel.com

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.

Hempel shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements set out in the relevant PDS and the Additional Documents. The information and terms of this disclaimer apply to this PDS, the Additional documents and any other documents supplied by Hempel in respect of the Product. In addition, the Product is supplied and all technical assistance is given subject to Hempel's General Conditions of Sale, Delivery and Service, unless otherwise expressly agreed in writing.