

Hempel's Light Primer Spray

Product characteristics

Description

Hempel's Light Primer Spray is a two-component epoxy primer spray. Particularly suited for maintenance, spot repair, touching-up and as a primer for small uncoated surface areas. Can be also be used as a primer on propellers before antifouling application.

Recommended use

Suitable on glass fibre, steel, aluminium and plywood. For interior and exterior use above and below the waterline.

Product safety

Flash point 26°C [79°F]

VOC content mixed product

Legislation	Value
EU	746 g/L [6.23 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

455EX

Product components

Base 45559
Curing Agent 95360

Standard shade / code

Off white 11630

Volume solids

20 ± 2%

Specific gravity

1 kg/L [8 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.

New build:

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

Maintenance and Repair

- Previously coated surface: Abrade, clean and dry the surface.

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Application

Mixing ratio

Base 45559 : Curing Agent 95360
(30.1 : 11.2 by volume)

Product activation: Shake can. Remove red button from lid. Turn can upside down. Push red button into valve at bottom of can. Hold can in a vertical position and shake can vigorously until agitator ball is heard; continue shaking for a further 2 minutes.

Cleaner

Hempel's Thinner 845 08451

Pot life

Product temperature	20°C [68°F]
Pot life	6 hours

Application method

Tool	Application parameters
Aerosol spray can	Not Applicable.

Film thickness

	Recommended
Dry film thickness	50 micron [2.0 mils]
Wet film thickness	250 micron [10 mils]
Theoretical spreading rate	3.9 m ² /L [160 sq ft/US gal]

Aerosol application can give a lower thickness per coat than other methods. Apply several coats to obtain specified film thickness.

Application conditions

- Surface temperature must be above 10°C [50°F] during application and curing.

Relative Humidity:

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

Application remarks

- Activate the product.
- 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.

Drying and overcoating

Product compatibility

- Previous coat: None.
- Subsequent coat: Recommended products are: Hempel's Antifoulings, Hempel's Topcoats

Overcoating

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

Quality name		0°C	10°C	20°C	40°C
		[32°F]	[50°F]	[68°F]	[104°F]
Atmospheric medium					
Hempel's Polygloss	Min	9 h	4 h	2 h	60 min
	Max	90 d	60 d	30 d	15 d
Hempel's Light Primer Spray	Min	9 h	4 h	2 h	60 min
	Max	90 d	60 d	30 d	15 d

Overcoating details

- If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.
- The surface must be dry and clean prior to application.

Other remarks

- The surface must be clean before overcoating.

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Storage

Shelf life

Ambient temperature	25°C [77°F]
Base	36 months
Curing Agent	36 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.

- Product must be stored according to local legislation, at 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)	23.8 g CO ₂ e/m ²	0.124 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.

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.