

# Hempatex Enamel 56360

## Product characteristics

### Description

Hempatex Enamel 56360 is a physically drying topcoat based on acrylic resin and non-chlorinated plasticizer for optimum gloss and colour retention. The product is resistant to salt water, splashes of aliphatic hydrocarbons and animal and vegetable oils.

### Recommended use

Hempatex Enamel 56360 is recommended as a finishing coat in Hempatex systems in moderately to severely corrosive environment.

### Service temperature:

- Maximum, dry exposure only: 80°C [176°F].

### Features

- For moderately to severely corrosive environment.
- Physically drying.
- For exterior and interior usage.
- Glossy with good gloss and colour retention.

## Product safety

**Flash point** 41°C [106°F]

### VOC content

Legislation	Value
EU	604 g/L [5.04 lb/US gal]
US (coatings)	604 g/L [5.04 lb/US gal]
US (regulatory)	604 g/L [5.04 lb/US gal]
China	595 g/L [4.97 lb/US gal]

VOC values may vary with shade, please consult the Safety Data Sheet, section 9. 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.

For professional use only.

## Product data

### Product code

56360

### Standard shade\* / code

White 10000 \*\*

### Gloss

Glossy

### Volume solids

32 ± 2%

### Specific gravity

1.1 kg/L [9 lb/US gal]

### Reference dry film thickness

35 micron [1.4 mils]

### Aluminium shade / code

Aluminium grey 19002

### Gloss

Please consult Hempel's Guideline on aluminium pigmented coatings.

### Volume solids

31 ± 2%

### Specific gravity

1 kg/L [8 lb/US gal]

\* Wide range of colours is available via Hempel's Multi-Tint® system.

\*\* Colour stability may be affected by exposure to harsh chemical and/or high temperatures.

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## Reference dry film thickness

35 micron [1.4 mils]

## Surface preparation

### Cleanliness

- According to Hempel's Specification.

### New build:

- According to Hempel's Specification.

### Maintenance and Repair

- According to Hempel's Specification.

Consult Hempel's separate Surface Preparation Guidelines for more details.

## Application

### Mixing ratio

Stir well before use.

### Thinner

Hempel's Thinner 08080

### Cleaner

Hempel's Thinner 08080

### Application method

Tool	Thinning max vol.	Application parameters
Airless spray	5%	Nozzle pressure: 150 bar [2200 psi] Nozzle orifice: 0.017"
Air spray	15%	Not Applicable.
Brush/Roller	5%	Not Applicable.

If brush or roller application is used, more coats will be necessary to achieve the specified dry film thickness. Spray data are indicative and subject to adjustment. Pressure is for a material temperature of 20°C [68°F].

## Film thickness

Specification range	Low	High	Recommended
Dry film thickness	25 micron [1.0 mils]	55 micron [2.2 mils]	35 micron [1.4 mils]
Wet film thickness	80 micron [3 mils]	170 micron [7 mils]	110 micron [4 mils]
Theoretical spreading rate	13 m <sup>2</sup> /L [530 sq ft/US gal]	5.8 m <sup>2</sup> /L [240 sq ft/US gal]	9.1 m <sup>2</sup> /L [370 sq ft/US gal]

Product may be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate, drying and curing time and overcoating interval. 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.
- Surface temperature must be above -10°C [14°F] during application and curing.

### Application remarks

- Two coats of the topcoat may be necessary to obtain full hiding power.

## Drying and overcoating

### Product compatibility

- Previous coat: According to Hempel's Specification. Recommended products are: Hempatex Hi-Build
- Subsequent coat: None.

### Drying time

Surface temperature		0°C [32°F]	10°C [50°F]	20°C [68°F]	40°C [104°F]
Touch dry	min	75	45	30	15
Hard dry	min	120	90	60	40

Determined for dry film thickness 35 micron [1.4 mils] at standard conditions, see Hempel's Explanatory Notes for details.

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## 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

- The surface must be dry and clean prior to application.

## Other remarks

- Hempatex qualities are thermoplastic, therefore prolonged direct pressure at temperatures above 40°C [104°F] may cause film indentations.
- Hempel's Specification supersedes any recommendations given in the Product Data Sheets.

## 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 maximum 40°C [104°F], without direct sunlight and protected from rain and snow.

## Carbon Footprint

Dry film thickness	1 µm	1 mil
GWP (Global Warming Potential)	17 g CO <sub>2</sub> e/m <sup>2</sup>	0.088 lb CO <sub>2</sub> e/ft <sup>2</sup>

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.
- Application Instruction for this product.
- Aluminium pigmented topcoats.

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).

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.