

Hempel's AntiFouling Classic 76110

Product characteristics

Description

Hempel's Antifouling Classic 76110 is an antifouling of the "soluble matrix" type.

This product does not contain organotin compounds acting as biocides and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships as adopted by IMO October 2001 (IMO document AFS/CONF/26).

Recommended use

As an antifouling from keel to light load line on ships trading mainly in cold and temperate waters with short idle periods.

Certificates / Approvals

- This product does not contain organotin compounds acting as biocides and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships as adopted by IMO October 2001 (IMO document AFS/CONF/26).

Product safety

Flash point 38°C [100°F]

VOC content

Legislation	Value
EU	364 g/L [3.04 lb/US gal]
US (coatings)	364 g/L [3.04 lb/US gal]
US (regulatory)	364 g/L [3.04 lb/US gal]
China	364 g/L [3.04 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. VOC values may vary with shade, please consult the Safety Data Sheet, section 9.

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

76110

Standard shade / code

Brownish red 50000 *

Volume solids

54 ± 2%

Specific gravity

1.5 kg/L [12 lb/US gal]

Reference dry film thickness

50 micron [2.0 mils]

Surface preparation

New build:

- According to Hempel's Specification.

Maintenance and Repair

- Remove salts, detergents, contaminants and marine growth by high pressure fresh water cleaning.
- Sealer: Whether to use a sealer coat/tiecoat or not depends on the type and condition of the existing antifouling.

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

Application

Mixing ratio

This product contains heavy particles. Stir well before use.

Thinner

Hempel's Thinner 08080

* Slight discolouration may occur. This does not affect the performance of the coating.

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Cleaner

Hempel's Thinner 808 08081
Hempel's Thinner 08080

Application method

Tool	Application parameters
Airless spray	Nozzle pressure: 270 bar [3900 psi] Nozzle orifice: 0.027-0.031"
Brush	Not Applicable.
Roller	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

	Recommended
Dry film thickness	50 micron [2.0 mils]
Wet film thickness	90 micron [3.5 mils]
Theoretical spreading rate	11 m ² /L [450 sq ft/US gal]

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.

Application remarks

- Copper containing antifouling must not have any electrical contact with aluminium hull and other aluminium components.
- If brush or roller application is used, more coats will be necessary to achieve the specified dry film thickness.

Drying and overcoating

Product compatibility

- Previous coat: According to Hempel's Specification. Recommended product is: Hempatex Aluminium 16300
- Subsequent coat: None.

Drying time

Surface temperature		10°C [50°F]	20°C [68°F]
Hard dry	min	120	60

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

Drying conditions

- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.

Overcoating details

- The surface must be dry and clean prior to application.
- Consult Hempel for specific details

Other remarks

- Consult Hempel for information on the minimum undocking time.

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.

Carbon Footprint

Dry film thickness	1 µm	1 mil
GWP (Global Warming Potential)	7.2 g CO ₂ e/m ²	0.037 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.

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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.

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.