

Hempel's Alu Prop NCT 7473A

Product characteristics

Description

Hempel's Alu Prop NCT is high performance, self-polishing antifouling. Hempel's patented binder technology ensures outstanding fouling protection and colour retention all season. Especially suited for aluminium boats.

Recommended use

For use as an antifouling for boats of glass fibre, wood, plywood, steel and aluminium vessels. Ensure aluminium substrates are suitably primed.

Features

- Bright, clean colours make it a good choice for ALL below waterline areas including sterngear and propellers.
- Excellent mechanical strength for superior crack resistance.

Product safety

Flash point 37°C [99°F]

VOC content

| Legislation | Value |
|-------------|--------------------------|
| EU | 362 g/L [3.02 lb/US gal] |

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.

Product data

Product code

7473A

Standard shade / code

Jet black 19990

Black 19990

Gloss

Semi-flat

Volume solids

58 ± 2%

Specific gravity

1.4 kg/L [11 lb/US gal]

Reference dry film thickness

40 micron [1.6 mils]

Surface preparation

Cleanliness

- Remove salts, detergents, contaminants and marine growth by high pressure fresh water cleaning.

Application

Thinner

Hempel's Thinner 08080

Cleaner

Hempel's Thinner 08080

Hempel's Thinner 808 08081

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Application method

| Tool | Thinning max vol. |
|--------------|----------------------|
| Brush/Roller | 5% |
| Paint pad | 5% |

Keep thinning at an absolute minimum.

Film thickness

| | Recommended |
|----------------------------|---|
| Dry film thickness | 40 micron [1.6 mils] |
| Wet film thickness | 69 micron [2.8 mils] |
| Theoretical spreading rate | 14 m ² /L [570 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.

Relative Humidity:

- Relative humidity must be below 85% during application.

Application remarks

- Stir well before use.
- Copper containing antifouling must not have any electrical contact with aluminium hull and other aluminium components.

Drying and overcoating

Product compatibility

- Previous coat: Recommended products are: Hempel's Light Primer, Hempel's Underwater Primer
- Subsequent coat: None.

Drying time

| Surface temperature | 10°C [50°F] | 20°C [68°F] | 30°C [86°F] |
|------------------------|----------------|----------------|----------------|
| Surface dry | hours | 8 | 4 |
| Touch dry | min | 30 | 15 |

Determined for dry film thickness 40 micron [1.6 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 Alu Prop NCT 7473A | Min Max | 7 h No max | 4 h No 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.

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.

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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.
- The product must be stored in accordance with Safety Data Sheet, label and local regulations. Keep the containers in a dry, shaded, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Carbon Footprint

| Dry film thickness | 1 µm | 1 mil |
|--------------------------------|---|--|
| GWP (Global Warming Potential) | 11.2 g CO ₂ e/m ² | 0.058 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.

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.