# JDAF899

## Product description

Recommended for underwater hulls during newbuilding and dry-docking. It provides an optimized solution for vessels with low operating rates and slow steaming speeds. Application is highly recommended in areas requiring superior antifouling performance, such as sea chests, to minimize the risk of invasive species. This product offers optimized hull protection for vessels operating in heavily fouled waters or those subject to prolonged idle periods. When applied as part of a complete coating system, it can provide long-term protection for up to 90 months.

## Typical use

Marine:

Recommended for the underwater hulls of new builds and dry-docking projects. It provides a highly optimized solution for vessels where long-term hull performance and fuel savings are the primary focus. As part of a complete coating system, this product can offer extended protection for up to 90 months.

Protective Coatings:

Recommended for immersion areas of offshore structures and stationary equipment.

## Approvals and certificates

•Compliant with IMO Antifouling System Convention AFS/CONF/26.

•Obtained Works Approval for Ship Anti-fouling Paint from the China Classification Society

## Colours

Red brown, red

## Product date

| Property | Test/Standard | Description |
|---|---|---|
| Solids by volume | ISO 3233 | 57±2% |
| Flash point | ISO 3679 Method 1 | 28℃ |
| Density | calculated | 1.9Kg/L |
| VOC-China | GB/T23985-2009(ISO11890-1) | 369g/L |
| Touch dry（20℃） | | 2 h |

The provided data is typical for factory produced products, subject to slight variation depending on colour.

## Film thickness per coat

**Typical recommended specification range**

| | |
|---|---|
| Dry film thickness | 75μm - 150μm |
| Wet film thickness | 131μm - 263μm |
| Theoretical spreading rate | 7.5 $m^2$/L - 3.8 $m^2$/L |

## Surface preparation

To secure lasting adhesion to the subsequent product all surfaces shall be clean, dry and free from any contamination.

Surface preparation summary table

| Substrate | Surface preparation | |
|---|---|---|
| | Minimum | Recommended |
| Coated surfaces | New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition<br>Aged antifouling with leached layer: Removal by thorough fresh water washing at minimum nozzle pressure 200 bar. | New tie coat or new antifouling: Remove any contamination that could interfere with the intercoat adhesion. Exceeding maximum recoat intervals will require cleaning/abrading and/or application of additional coats, depending on condition.<br>Aged antifouling with leached layer: Removal by thorough fresh water washing at minimum nozzle pressure 340 bar. |

## Application

### Application methods

The product can be applied by

| | |
|---|---|
| Spray: | Use air spray or airless spray. |
| Brush: | May be used. Care must be taken to achieve the specified dry film thickness. |
| Roller: | May be used. Care must be taken to achieve the specified dry film thickness. |

### Product mixing ratio（by volume）

Single pack

### Thinner/Cleaning solvent

Thinner: Jindun Thinner No. 102

### Guiding date for airless spray

| | |
|---|---|
| Nozzle tip (inch/1000): | 21-31 |
| Pressure at nozzle (minimum): | 150 bar/2100 psi |

## Coating Interval Schedule for Coatings with a Dry Film Thickness of 160 microns

| The subsequent coating | Painting interval time | 5℃ | 10℃ | 20℃ | 30℃ |
|---|---|---|---|---|---|
| itself | Minimum coating interval time | 24 h | 12 h | 8 h | 6 h |
| | Minimum drying time before immersion in water | 24 h | 16 h | 12 h | 8 h |

## Packaging(typical)

| | Volume (L) | Size of containers (litres) |
|---|---|---|
| JDAF899 | 20 | 20 |

The volume stated is for factory made colours.

## Storage

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

## Shelf life at 23 °C

JDAF899 9 month(s)

In some markets commercial shelf life can be dictated shorter by local legislation. The above is minimum shelf life, thereafter the paint quality is subject to re-inspection.

## Caution

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Jindun's technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Jindun representative for approval before commencing the work.

## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

## Colour variation

When applicable, products primarily meant for use as primers or antifoulings may have slight colour variations from batch to batch. Such products and epoxy based products used as a finish coat may chalk when exposed to sunlight and weathering.

Colour and gloss retention on topcoats/finish coats may vary depending on type of colour, exposure environment such as temperature, UV intensity etc., application quality and generic type of paint.

## Disclaimer

The information in this document is given to the best of Jindun's knowledge, based on laboratory testing and practical experience. Jindun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jindun's control. Jindun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jindun reserves the right to change the given data without further notice.

Users should always consult Jindun for specific guidance on the general suitability of this product for their needs and specific application practices.