



## Kovynyl A/F738

**Product Description** A vinyl resin based antifouling paint with high content of bioactive materials providing very effective and extended protection against fouling.  
Approved as TBT-free antifouling paint by Korean Register of Shipping (KR).

**Recommended Use** As a long-life antifouling paint, keel to load line, for fast or very large vessels in global trade with extended docking intervals.

## Physical Properties

**Finish and Color** Flat. Bluish Grey (5591K), Brown (6611K), Red Brown, Dark Brown  
\* Bluish Gray (5591K) and Brown (6611K) color change to blue and green after a short time in service.

|             |                       |            |             |             |
|-------------|-----------------------|------------|-------------|-------------|
| Drying Time | Substrate temperature | 5 °C/41 °F | 20 °C/68 °F | 30 °C/86 °F |
|             | Set to touch          | 8 h        | 2 h         | 2 h         |
|             | Dry through           | 24 h       | 12 h        | 8 h         |

\* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

**Solids by Volume** Approx. 42 % (Determined by ISO 3233)

**Theoretical Spreading Rate** 8.4 m<sup>2</sup>/L in 50 μm dry film thickness on a smooth surface.

**Specific Gravity** Approx. 1.70

**Flash Point** 26 °C/79 °F (Closed cup)

## Application Details

**Surface Preparation** Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.

**Application Conditions** The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.

**Preceding Coat** Korabor Aluminum H.B. RH248, Kovynyl sealer VH137AL, Korevitar H.B. EH2540, Korepox H.B. EH2560 or according to specification.

\* Tar bleeding may occur from Korevitar H.B. EH2540, Korepotar H.B. EH173(S), etc.

This effect is only cosmetic problem and has no negative influence on the antifouling performance.

**Thinning** Thinner No. 025

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

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| <b>Application Method</b>     | Spray (Airless or Air), Roller or Brush application.<br>For airless spray application ;<br>Nozzle orifice : 483 $\mu\text{m}$ ~ 584 $\mu\text{m}$ (0.019" ~ 0.023")<br>Output pressure : 13.8 MPa ~ 19.7 MPa<br>Fan : 60 °<br>(Airless spray data are indicative and subject to adjustment)                                                                                                                                                                                                                                                                                                                                                     |
| <b>Typical Film Thickness</b> | 50 $\mu\text{m}$ dry.<br>Two (2) coats are recommended in general.<br>Depending on the purpose and the area of use, different film thickness may be applied.<br>This will alter spreading rate and may influence drying time and recoating interval.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Recoating Interval</b>     | At 20 °C/68 °F, Minimum : 6 h<br>Maximum : Free<br><br>Before overcoating, remove any oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Shelf Life</b>             | 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Standard Packing Unit</b>  | 4 L, 15 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Remarks</b>                | Avoid contact with skin and inhalation of paint mist or solvent vapor.<br>In case of eye contact, the eyes should be rinsed immediately by fresh water continuously for at least 15 minutes. Doctor's advice is recommended.<br>In case of skin contact, the exposed area should be cleansed thoroughly with soap and water.<br>Contaminated clothing should be removed and laundered with soap and water before reuse.<br>In case of ingestion, swallow promptly a large quantity of milk, egg white or gelatin as a first aid. (If these are not available, drink a large quantity of water instead.) And obtain immediate medical attention. |
| <b>Issued</b>                 | July 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |