



## EgisCrystal series

**Product Description** EgisCrystal series are cuprous oxide free, self polishing copolymer (SPC) anti-fouling paint with special Metal Acrylate technology. This product ensures maximum protection for any type of oceangoing and coastal vessels under broad range of marine fouling organisms with its unique formation, and guarantees no effect on the marine environment. Culmination of years of research and development into the correct TBT-free solution and proven field experiences enable KCC to provide the right choice of protection of the vessels to the customers.

**Recommended Use** Where long life service of anti-fouling property to be required. Hull outside of new building or repair ship operating the area where organotin compounds are banned or restricted.  
EgisCrystal(H) is suitable for high speed ships,  
EgisCrystal is suitable for medium speed ships.

### Physical Properties

**Finish and Color** Flat. Red Brown, Dark Brown, Brown, Red, etc.

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. 50 % (Determined by ISO 3233)

**Theoretical Spreading Rate** 4.0 m<sup>2</sup>/L in 125 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, Kovinyl Sealer VH137AL, Korepox H.B. EH2560 or according to specification.

\* Tar bleeding may occur from Korepotar H.B. EH173S, etc.

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

\*Renewal : High pressure fresh water hosing to remove salt deposits and other contaminants. Allow surface to dry before recoating with EgisCrystal series.

**Thinning** Thinner No. 002

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. For airless spray application ; Nozzle orifice : 635 $\mu\text{m}$ ~ 787 $\mu\text{m}$ (0.025" ~ 0.031") Output pressure : 20.7 MPa ~ 24.1 MPa Fan : 60° (Airless spray data are indicative and subject to adjustment)
<b>Typical Film Thickness</b>	100 ~ 150 $\mu\text{m}$ dry. Two (2) or three (3) coats are recommended with different color of consecutive coats. Depending on the purpose and the area of use, different film thickness may be applied. 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 Maximum : Free  Before overcoating, remove the 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>	15 L, 18 L
<b>Remarks</b>	Avoid contact with skin and inhalation of paint mist or solvent vapor. 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. In case of skin contact, the exposed area should be cleansed thoroughly with soap and water. Contaminated clothing should be removed and laundered with soap and water before reuse. 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.
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