



Komaster EH4200 (Two-Component)

Product Description A two-component, polyamide cured epoxy resin based high-build coating for heavy steel structures. It provides good resistance to seawater and excellent anti-corrosive property.

Recommended Use As an anti-corrosion for long-life protection of steel structures in severely corrosive environment such as general steel structures or cargo hold, etc. Applicable to steel structures for plants, bridges and others.

Physical Properties

Finish and Color Flat. Grey, Green

Drying Time	Substrate temperature	5 °C / 41 °F	20 °C / 68 °F	30 °C / 86 °F
	Set to touch	18 h	4 h	3 h
	Dry through	36 h	18 h	12 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. 70 % (Determined by ISO 3233)

Theoretical Spreading Rate 4.67 m²/L in 150 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.45 for Mixture of Base and Curing agent.

Flash Point Base (EH4200PTA) : 25 °C / 77 °F (Closed cup)
Curing Agent (EH4200PTB) : 49 °C / 120 °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.
* Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, etc.

Application Conditions Apply only where application and curing can proceed at temperatures above 5 °C/41 °F. The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperatures 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.

Mixing Base (Part A) : Curing Agent (Part B) = 4 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 4 h at 20 °C / 68 °F

Preceding coat Korepox Holding Primer EP170QD, Korepox Holding Primer EP1700, Galvany Shopprimer IZ182, or according to specification.

Thinning Thinner No. 024, 024E
Do not dilute components separately.

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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Application Method	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 432 μm ~ 635 μm (0.017" ~ 0.025") Output pressure : 15 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	150 μm dry. Depending on the purpose and the area of use, different film thickness may be applied.
Recoating Interval	At 20 °C / 68 °F, Minimum : 18 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.
Subsequent Coat	Komaster EH4200, Korepox Topcoat H.B ET5745, Korethan Topcoat UT6581 or according to specification.
Shelf Life	12 months
Heat Resistance	Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service)
Standard Packing Unit	16 L (EH4200 : 12.8 L, EH4200 : 3.2 L)
Remarks	Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended during application in confined spaces or stagnant air.
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