



Korepox Topcoat ET574 (Two-Component)

Product Description

A two-component, polyamide cured epoxy resin based finish. It has excellent resistance performance against salt and fresh water, mineral oils and petrol, vegetable and animal oils, etc. and mechanical wear. Not resistant to acids and oxidizing solutions.

Approved as a Fire Retardant Paint by Lloyd's Register of Shipping (LR), Det Norske Veritas (DNV, CE Marking) and Korean Register of Shipping (KR)

Recommended Use

As a heavy-duty finish coat on structural steel, interior and exterior, in corrosive marine and industrial atmosphere, and exposed to hard mechanical wear, or temporary immersion.

Physical Properties

Finish and Color

Gloss. White (1000), Yellow (3000), Green (4490), Grey (1128), Black (1999)

* For more available color, consult with KCC's business department.

Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	4 h	1 h	30min
Dry through	24 h	8 h	6 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. 41 % (Determined by ISO 3233)

Theoretical Spreading Rate

10.3 m²/L in 40 μm dry film thickness on a smooth surface.

Specific Gravity

Approx. 1.20 for Mixture of Base and Curing agent.

Flash Point

Base (ET574 PTA) : 23 °C/74 °F (Closed cup)
Curing Agent (ET574 PTB) : 27 °C/81 °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.

Mixing

Base (Part A) : Curing Agent (Part B) = 3 : 2 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life

8 h at 20 °C/68 °F

Preceding Coat

Korepox Holding Primer EP170QD, Korepox Holding Primer EP1700, Korepox EH2350, Korepox EH2351, Korepox H.B. EH6270, Korepox H.S. EH4158H or according to specification.

Thinning

Thinner No. 024 or Other thinner approved by KCC
Do not dilute the 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 (0.019" ~ 0.025")

Output pressure : 13.5 MPa ~ 29.2 MPa

Fan : 60°

(Airless spray data are indicative and subject to adjustment)

Typical Film Thickness 40 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 : 8 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.

Shelf Life 12 months

Heat Resistance Continuous : 93 °C/200 °F (Non-immersion service)

Non-Continuous : 121 °C/250 °F (Non-immersion service)

Chemical Resistance

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	Good	Good	Very good	Excellent	Excellent
Fumes	Good	Excellent	Excellent	Excellent	Excellent

Standard Packing Unit 16 L (ET574 PTA : 9.6 L, ET574 PTB : 6.4 L)

Remarks Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F.
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 when applying this product in confined spaces or stagnant air.

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