



## Korepox Filler EC275 (Two-Component)

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<b>Product Description</b>	A two-component, epoxy resin based paste compound. It forms extremely hard and tough mass which does not sink even when applied thick layers. It adheres well to iron, metals, wood, glass, plaster, plastics, glass fiber, porcelain, etc. and is resistant to water, oil, solvents, acid as well as impact and abrasion.
<b>Recommended Use</b>	For repair and filling of corrosion cavities in ship's propellers and other metal objects ; for piping; for mending broken articles of almost any kind ; as an extremely strong adhesive, and a great variety of other purposes. As an insulator for around ship's anode which connected with ICCP.

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### Physical Properties

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<b>Finish and Color</b>	Semi gloss. Red
<b>Drying Time</b>	At 20 °C/68 °F, Initial curing : 2 ~ 3 h Fully cured : 24 ~ 36 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.
<b>Solids by Volume</b>	Approx. 86 % (Determined by ISO 3233)
<b>Theoretical Spreading Rate</b>	1.7 m <sup>2</sup> /L in 500 μm dry film thickness on a smooth surface.
<b>Specific Gravity</b>	1.90 ~ 2.00 for Mixture of Base and Curing agent.
<b>Flash Point</b>	Base ( EC275 PTA ) : 25 °C/77 °F (Closed cup) Curing Agent ( EC275 PTB ) : 25 °C/77 °F (Closed cup)

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### Application Details

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<b>Surface Preparation</b>	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.
<b>Application Conditions</b>	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.
<b>Mixing</b>	Base (Part A) : Curing Agent (Part B) = 1 : 1 (by volume) Mix the components thoroughly with a spatula or putty knife until the mass attains an even color without air half an hour prior to application.
<b>Pot Life</b>	2 ~ 3 h at 20 °C/68 °F
<b>Thinning</b>	Thinner No. 024 or Other thinner approved by KCC (if necessary)

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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>	Putty knife or spatula. The surface can be leveled off with a moistened putty knife or knife. For airless spray application, dilute 5 ~ 10 % by volume with Thinner No. 024. Tools can be cleaned while the mixture is still soft with Korepox Tool Cleaner 009 or Thinner No. 024. During the curing period surfaces being cemented may be held together by means of tape or elastoplast, but should not be pressed too firmly. Repairs can be further strengthened by alternate layers of Korepox Filler and glass fiber tape.
<b>Standard Packing Unit</b>	4 L (EC275 PTA : 2 L, EC275 PTB : 2 L)
<b>Remarks</b>	Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protecting is recommended when applying this material in confined spaces or stagnant air.
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