



A two-component, amine adduct cured pure epoxy resin based coating for chemical and petroleum loading tanks. It has excellent resistance to a wide range of chemicals, solvents, caustic, crude and fuel oils. Also, it is used as a VOC compliant coat to reduce the VOC emission for protection of environment.

<b>Recommended use</b>	As a tank lining coat for ship's cargo tanks, storage tanks, road tankers in the chemical and petrochemical industries.
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### Physical Properties

<b>Finish and Color</b>	Grey, Cream
<b>Specific gravity</b>	Approx. 1.40 for Mixture of Base and Curing agent.
<b>Solids by volume</b>	Approx. 64 % (Determined by ISO 3233)
<b>Spreading rate (Theoretical)</b>	6.4 m <sup>2</sup> /L in 100µm dry film thickness on a smooth surface.
<b>Flash point</b>	Base (EP174T PTA) : 39 °C / 102°F (Closed cup) Curing Agent (EP174T PTB) : 28 °C / 82°F (Closed cup)
<b>VOC</b>	Max. 360g/L (Determined by ISO 11890-1)

### Application details

<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, etc.
<b>Preceding coat</b>	According to specification.
<b>Method of application</b>	Spray : Airless or Air spray Brush and Roller : Recommended for small area and stripe coating for specified edges, welds, hard to reach areas, etc. For airless spray application ; Nozzle orifice : 483µm ~ 686 µm (0.019" ~ 0.027") Output pressure : 14.5MPa ~ 15.2 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)  * For more detailed information, please refer to KCC's tank lining guide.
<b>Mixing</b>	Base (Part A) : Curing Agent (Part B) = 3 : 1 (by volume)  - Mix with supplied mixing ratio only. Do not vary or subdivide. - Before mixing, shake or stir the Base very thoroughly. - Pour the curing agent into the Base with constant mechanical stirring.  Do not mix in reverse order.

	Continuous stirring until mixture is free of lumps.		
<b>Thinning</b>	Product Name : Thinner No. 024 or Other thinner approved by KCC Thinning Ratio : Max. 10 % (by volume) * Do not dilute each component separately		
<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. * For more detailed information, please refer to KCC's tank lining guide.		
<b>Film thickness</b>	100 $\mu$ m dry. May be specified in another film thickness than indicated depending on purpose and area of use.		
<b>Drying time</b>	Substrate temperature	10 °C / 50 °F	20 °C / 68 °F
	Set to touch	6 h	3 h
	Dry through	24 h	12 h
	* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc.		
<b>Subsequent Coat</b>	Korepox Tanker Shelter EP174T or according to specification		
<b>Pot life</b>	4 h at 20 °C / 68 °F		
<b>Recoating interval</b>	At 20 °C / 68 °F, Minimum : 8 h Maximum : - Sunlight exposed area : 7 d - Confined area : 28 d Prior to 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>Heat resistance temperature</b>	Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service)		
<b>Storage and package</b>			
<b>Shelf life</b>	EP174T (Part A, Base) : 12 months (at 23 °C) EP174T (Part B, Curing agent) : 12 months (at 23 °C)		
<b>Packing Unit</b>	15 L (EP174T PTA : 11.2 L, EP174T PTB : 3.8 L)		
<b>Remarks</b>			
<b>Note</b>	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. Adequate ventilation with clean air should be maintained during application and curing to assist solvent evaporation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.		
<b>1'st issue</b>	2015-09-01		
<b>Revision</b>	2021-06-23		

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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.

