



Multipurpose Primer EP1730 (Two-Component)

Product Description

A two-component, modified polyamide cured epoxy primer containing rust-inhibiting pigments as environmentally friendly coating. It can be applied to non-ferrous metal surfaces which are impossible to do blast cleaning prior to application. It forms a hard and tough film with very good adhesion properties, abrasion resistance and impact resistance.

Limited resistance to vegetable oils and strong solvents such as ketones, esters, etc. Not recommended for mineral acids, or strong oxidizing solution.

Recommended Use

As special epoxy primer for galvanized steel of transmission tower or non-ferrous metal surfaces like aluminum and stainless steel (SUS). It can be applied as a primer by solvent cleaning without blast cleaning.

Not recommended for continuous immersion services.

Physical Properties

Finish and Color

Flat. Grey (1105, 1128)

Drying Time

Substrate temperature	5 °C / 41 °F	20 °C / 68 °F	30 °C / 86 °F
Set to touch	1.5 h	30 min	20 min
Dry through	24 h	6 h	4 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. 51 % (Determined by ISO 3233)

Theoretical Spreading Rate

6.80 m²/L in 75 μm dry film thickness on a smooth surface.

Specific Gravity

Approx. 1.3 ~ 1.4 for Mixture of Base and Curing agent.

Flash Point

Base (EP1730-A) : 26 °C / 79 °F (Closed cup)
Curing agent(EP1730-B) : 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.

It can be applied to non-ferrous metal surfaces without surface treatment like blast cleaning to preserve the non ferrous metals itself.

In case of hot dip galvanized steel surfaces which are shine and glossy, light sand papering or grinding is recommended to secure good adhesion to substrates.

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 : 1 (by volume)

Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life

10 h at 20 °C / 68 °F

Mix only the amount which can be used within its pot life.

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.

KCC Corporation

Multipurpose Primer EP1730 (Two-Component)

Thinning	Thinner No. 024 or Other thinner approved by KCC Do not dilute each components separately.
Application Method	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 432 μm ~ 584 μm (0.017" ~ 0.023") Output pressure : 15 MPa Fan : 30 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	75 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 : 6 h Maximum : 30 d 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	Korepox Enamel ET574, Korepox Topcoat H.B. ET5740, Korepox Topcoat H.B ET5745 or 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 (EP1730-A : 12 L, EP1730-B : 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.
Issued	August 2009, Rev.04