Korepox Primer/Sealer
EP118 (Two-Component)

Product Description

A polyamide cured epoxy resin based quick drying primer/sealer with excellent resistance to chemicals and water. It provides excellent adhesion to most substrates including concrete, wood, steel, etc. It assures excellent sealing and tight adhesion between the concrete and subsequent coat.
It meets the requirements of ASTM C309 TYPE-I Moisture Retention of Concrete.

Recommended Use

As a primer/sealer for use on concrete, wood floors or other substrate in areas where high anti-dust property is required such as nuclear power plant, electronic, precision equipment and chemical plant, etc.
As a form-release agent and curing compound for the protection of concrete surfaces during the construction.

Physical Properties

Finish and Color

Gloss. Clear

Drying Time

Substrate temperature	5 ℃/41 °F	20 ℃/68 °F	30 ℃/86 °F
Set to touch	4 h	2 h	1 h
Dry through	36 h	12 h	10 h
Fully cured	5 d	3 d	2 d

* 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. 28 % (Determined by ISO 3233)

Theoretical Spreading Rate

5.6 ㎡/L in 50 ㎛ dry film thickness on a smooth surface.

Specific Gravity

Approx. 0.90 for Mixture of Base and Curing agent.

Flash Point

Base (EP118 PTA) : 1 ℃/34 °F (Closed cup)
Curing Agent (EP118 PTB) : 28 ℃/82 °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 Sa 2.5 or power tool cleaning to St3, etc.
* Concrete : Must be cured at least 28 days at 20 ℃/68 °F and below 80 % R.H., and surface must be grinding or abrasive blasted to remove laitance and other impurities. Moisture content of the concrete surface must be below 6 %.

Application Conditions

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 ℃ (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) = 1 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life

8 hours at 20 ℃/68 °F

Thinning

Thinner No. 0642
Do not dilute components separately, only the mixture.

Korepox Primer/Sealer EP118 (Two-Component)

Application Method	Spray(air or airless), Roller or Brush application. For airless spray application ; Nozzle orifice : 381 ㎛ ~ 432 ㎛ (0.015″ ~ 0.017″) Output pressure : 13.8 MPa (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	50 ㎛ dry. May be specified in another film thickness than indicated depending on purpose and area of use.
Recoating Interval	At 20 ℃/68 ℉, Minimum : 12 h Maximum : Free 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.
Subsequent Coat	Korepox Filler EC264(H), Korepox F.C EU254, Korepox F.C EU225(H), Korepox Color Mortar ER2233, or according to specification.
Shelf Life	12 months Store in cool, dry, well-ventilated place.
Standard Packing Unit	16 L (PTA : PTB = 8 L : 8 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 when applying this product in confined spaces or stagnant air.
Issued	April 2008