

ET5660

1. OVERVIEW

EPOXY FLOOR TOPCOAT ET5660 is a two-component, polyamide cured epoxy resin based paint with high gloss. It forms hard and tough film with excellent adhesion and resistance to water, alkalies, abrasion and impact.

- a. Recommended Use As a intermediate and finishing coat for use on concrete or cement mortal substrate where high anti dust property is required such as pharmaceutical, precision equipment and electronic factory and hospital, etc.

2. PHYSICAL PROPERTIES

- a. Finish and Color Gloss. Green, Grey. Other colors are available on request.
b. Drying Time

	10°C/50°F	20°C/68°F	30°C/86°F
Set to touch	3 hours	1.5 hours	40 minutes
Dry through	36 hours	24 hours	16 hours
Fully cured	7 days	4 days	3 days

- c. Solids by Volume Approx. 50%.
d. Spreading Rate 10㎡/L in 50 microns dry film thickness on a smooth surface.
 (Theoretical)
e. Specific Gravity 1.2 – 1.3 (Kg/L)(Mixed) according to color.
f. Flash Point 4°C / 39°F (closed cup).

3. APPLICATION DETAILS

- a. Surface Preparation Remove any oil and grease from surface to be coated.
Do not apply coating unless concrete has cured at least 28 days at 20°C/68°F and below 80% R.H or equivalent.
Moisture content of the concrete surface must be below 6%.
- b. Preceding coat Epoxy F.C PRIMER EP118 or according to specification
- c. Application Conditions Do not apply when the temperature is less than 4°C/39°F, and relative humidity is above 85%.
The surface temperature must be at least 3°C(5°F) above dew point to prevent condensation.
- d. Mixing Base(PTA): Curing Agent(PTB) = 2 : 1 (by volume)
Mix thoroughly together prior to application in the proportion as delivered.
Mix only the amount which can be used within pot life.

e. Pot Life

10 °C/50 °F	20 °C/68 °F	30 °C/86 °F
10 hours	8 hours	6 hours

f. Thinning THINNER No. 024 (Thinning ratio : Max.10% by volume)
Do not dilute components separately, only the mixture.

g. Method of Application Brush, Roller or Spray(air or airless) application.

h. Film Thickness Recommended per coat 50 microns dry.

2 coats are recommended.

i. Recoating Interval

	10 °C/50 °F	20 °C/68 °F	30 °C/86 °F
Minimum	36 hours	24 hours	16 hours
Maximum	-	-	-

j. Shelf Life 12 months (Store in cool, dry, well-ventilated place.)

k. Packing Unit 16ℓ [Base(PTA): Curing Agent(PTB) = 10.7ℓ : 5.3ℓ]

l. Remarks Protect skin and eyes, 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.

4. WARNING

- The paint compounds would occur a headache, dizziness, loss of coordination and health problems, so do not breathe vapors, spray mist and fumes and do not eat the compounds.
- During application, to avoid breathing vapors or spray mist, wear the 방독 mask, protective glasses, gloves and suitable protective equipment
- Please avoid contact with eyes and skin during application, in case of contact with skin and eyes or eating paint, get the first aids by the paint can label on the side and then get the medical assistance by physician immediately
- Do not apply the paint in restricted areas. If you are obliged to apply in restricted areas, use the ventilation machine to blow out, all workers should wear a gas mask
- Besides application, do not allow to use the paint as fuel.
- If you have some questions about products or you want to know harmfulness information, you can get the technical datasheets and MSDS on our Internet Homepage(www.kccworld.co.kr) Or ask the customer's service.

※ Issued November, 2003

EPOXY F.C PRIMER EP118

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 °C/41 °F	20 °C/68 °F	30 °C/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 m²/L in 50 μm 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 °C/34 °F (Closed cup)
Curing Agent (EP118 PTB) : 28 °C/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.

	<ul style="list-style-type: none"> * Steel : Blast cleaning to Sa 2.5 or power tool cleaning to St3, etc. * Concrete : Must be cured at least 28 days at 20 °C/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	<p>The surface should be completely cleaned and dried.</p> <p>Do not apply when relative humidity is above 85 %. The surface temperatures should be at least 2.7 °C (5 °F) above dew point to prevent condensation.</p> <p>In confined areas, ventilate with clean air during application to assist solvent evaporation.</p>
Mixing	<p>Base (Part A) : Curing Agent (Part B) = 1 : 1 (by volume)</p> <p>Mix thoroughly together prior to application in the proportions with power agitator as delivered.</p>
Pot Life	8 hours at 20 °C/68 °F
Thinning	<p>Thinner No. 0642</p> <p>Do not dilute components separately, only the mixture.</p>
Application Method	<p>Spray(air or airless), Roller or Brush application.</p> <p>For airless spray application ;</p> <p>Nozzle orifice : 381 μm ~ 432 μm (0.015" ~ 0.017")</p> <p>Output pressure : 13.8 MPa</p> <p>(Airless spray data are indicative and subject to adjustment)</p>
Typical Film Thickness	<p>50 μm dry.</p> <p>May be specified in another film thickness than indicated depending on purpose and area of use.</p>
Recoating Interval	<p>At 20 °C/68 °F, Minimum : 12 h</p> <p>Maximum : Free</p> <p>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.</p>
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	<p>12 months</p> <p>Store in cool, dry, well-ventilated place.</p>
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