



Unipoxy Middle Coat is a two-component paint based epoxy/polyamide resin. It forms a hard and tough film with an excellent adhesion and resistance to water, alkalies, abrasion and impact.

Recommended use	As an intermediate coat for indoor concrete floor where antidust property is required such as laboratory, hospital, pharmaceutical, electronic and chemical plants, etc.
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Physical Properties	
Finish and Color	Gloss. Reddish Brown, Green Other colors are available on request
Specific gravity	Mixed : Approx. 1.3 ~ 1.4 (Kg/L)
Solids by volume	Approx. 55 %
Spreading rate (Theoretical)	5.5m ² /ℓ in 100microns dry film thickness on a smooth surface
Flash point	Base (PTA) : 22 °C /72 °F (Closed cup) Curing Agent (PTB) : 22 °C /72°F (Closed cup)

Application details									
Surface preparation	Do not apply coating unless concrete has cured at least 28 days at 20°C/68°F and below 80% R.H Moisture content of the concrete surface should be below 6%. Remove any oil and grease from surface to be coated.								
Preceding coat	EPOXY F.C PRIMER Unipoxy Primer or according to specification								
Method of application	Spray(air or airless), Roller or Brush application. For airless spray application ; Nozzle orifice : 430 μm ~ 640 μm (0.017" ~ 0.025") Output pressure : 14.48 MPa (2,100 psi / 143 atm) (Airless spray data are indicative and subject to adjustment)								
Mixing	Base(PTA): Curing Agent(PTB) = 3 : 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								
Thinning	THINNER Unipoxy Thinner or No. 024 (Thinning ratio : Max.20% by volume) *Remarks : Do not exceed the recommended thinning ratio , because an excess of thinning can make a color separation and a film defect. Do not dilute components separately, only the mixture.								
Application conditions	Do not apply when the temperature is less than 4°C/39°F, and relative humidity is above 85%. The surface temperature should be at least 3°C(5°F) above dew point to prevent condensation.								
Film thickness	Dry Film Thickness 100 microns at a time. Two coats are recommended.								
Drying time	<table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>5°C/41°F</th> <th>20°C/68°F</th> <th>30°C/86°F</th> </tr> </thead> <tbody> <tr> <td>Set to touch</td> <td>8 h</td> <td>4 h</td> <td>3 h</td> </tr> </tbody> </table>	Substrate temperature	5°C/41°F	20°C/68°F	30°C/86°F	Set to touch	8 h	4 h	3 h
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Dry through	36 h	24 h	16 h
Fully cured	10 d	7 d	5 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.

Pot life	Temperature	5°C/41°F	20°C/68°F	30°C/86°F
	Pot life	10 h	8 h	6 h
	Recoating Time(min)	36 h	24 h	16 h
	Recoating Time(max)	30 d	21 d	14 d

Storage and package

Shelf life	12 months Store in cool, dry, well-ventilated place.
Packing Unit	16 L (PTA : PTB = 12 L : 4 L).

Remarks

Note	<p>a. Because the paint compounds can cause a health failure such as a headache, dizziness, a skin inflammation, do not inhale vapors, spray mist and fumes and do not take in the contents.</p> <p>b. During application, , wear the protective mask, protective glasses, gloves and suitable protective equipment to avoid breathing vapors or spray mist</p> <p>c. Please avoid contact with eyes and skin during application, in case of contact with skin and eyes or eating paint, get the first aids according to warning notation on the can label and then get the medical assistance by doctor immediately</p> <p>d. 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 protective mask</p> <p>e. Do not allow to use the paint as fuel.</p> <p>f. If you have any questions about products or you want to know safety information, you can get the technical datasheets and MSDS on our Internet Homepage(www.kccworld.co.kr) Or ask the customer's service.</p>
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Revision	

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.

