



UNIPOXY LINING CLEAR is a solvent-free, self levelling type epoxy floor coating with outstanding resistance to heavy abrasion and impact.

It cures to a hard, tough, smooth finish and has outstanding resistance to chemicals, abrasion, impact.

<b>Recommended use</b>	As a heavy duty top coat on concrete floors subjected to heavy wear and tear. Used place where high impact and chemical resistance in loading areas is required. Excellent for laboratory floors, hospital, electronic, chemical plant, pharmaceutical, etc.
------------------------	--

### Physical Properties

<b>Finish and Color</b>	Gloss. CLEAR.
<b>Specific gravity</b>	Mixed : Approx. 1.0 ~ 1.1 (Kg/L).
<b>Solids by volume</b>	Approx. 98%
<b>Spreading rate (Theoretical)</b>	1.53ℓ/㎡ in 1.5mm dry film thickness on a smooth surface. 2.04ℓ/㎡ in 2.0mm dry film thickness on a smooth surface. 3.06ℓ/㎡ in 3.0mm dry film thickness on a smooth surface.
<b>Flash point</b>	PTA(Base) : Over 79°C (Closed cup).

### Application details

<b>Surface preparation</b>	Remove any oil and grease from surface to be coated with clean rag soaked in Thinner No. 003 or Toluene. Do not apply coating unless concrete has cured at least 28 days at 20°C/68°F and below 80% R.H or equivalent. The surface moisture must be below 6%. The surface should be free of laitance. This can be accomplished by finishing technique, abrasive blasting, grinding or acid-etching.
<b>Preceding coat</b>	UNIPOXY PRIMER or according to specification. UNIPOXY LINING CLEAR must be coated with two times (1st : scapping 1mm coating, 2nd: main 2mm coating) to prevent bubble occurrence due to concrete void and coating defect due to polluted material
<b>Method of application</b>	Summer Season : Rake, Trowel. Winter Season : Trowel (For preventing surface bubble)
<b>Mixing</b>	1) PTA(Base) : PTB(Curing Agent) = 12 : 4 (by volume) 2) Mix separately, then combine together and mix thoroughly with high speed dissolver for 2-3 minutes prior to application in the proportions as delivered. 3) Paint mixed cans inside the paint more than five minutes of a combination of phenomenon paint have cured, if there is a hold immediately after mixing to use.
<b>Thinning</b>	Not required
<b>Application conditions</b>	Temperature during application and curing is suitable for 10°C-28°C/50°F-82°F, and below 85% R.H. and paint temperature is suitable for 20°C/68°F

\* Remarks \*

UNIPOXY LINING CLEAR can be occurred amine blushing at condition of below 10°C, at this time, do not pollute water, ice, snow, rain and dew, applicate the top coating. If coating occurred amine blushing is polluted with water, coating color is changed with whiteness

**Film thickness** Recommended per coat 1.5~3 mm dry.

<b>Drying time</b>		5°C	10°C	20°C	30°C
	Set to touch	16 hours	10 hours	6 hours	4 hours
	Dry through	54 hours	43 hours	24 hours	16 hours
	Fully cured	9 days	6 days	4 days	3 days

**Subsequent Coat** Summer Season : Not Recommended Winter Season : UNIPOXY COATING CLEAR

<b>Pot life</b>		5°C	10°C	20°C	30°C
	Pot Life	45minutes	30minutes	20minutes	10minutes
	R/I (Min.)	48hours	35hours	20hours	10hours
	R/I (Max.)	9days	6days	4days	3days

\* Remarks \*

If UNIPOXY LINING CLEAR is used at above of 30°C, curing speed will comes to be quick and pot life is short. So UNIPOXY LINING CLEAR should be kept at condition of cool interior instead of hot outside at summer season

**Storage and package**

<b>Shelf life</b>	12 months (Store in cool, dry, well-ventilated place.)
<b>Packing Unit</b>	16ℓ (PTA : 12ℓ, PTB : 4ℓ)

**Remarks**

- Note**
- a. Optimum temperatures in application and curing is above 10°C. Surface temperatures must be at least 3°C (5°F) above dew point to prevent condensation.
  - b. It must be coated with two times (1st : scrapping 1mm coating, 2 nd: main 2mm coating) to prevent bubble occurrence due to concrete void
  - c. If it is coated under recommendation thickness or is polluted with dust, while applicating, it can be occurred cratering
  - d. It must be coated within pot life
  - e. 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.
  - f. During application, to avoid breathing vapors or spray mist, wear the protective mask, protective glasses, gloves and suitable protective equipment
  - g. 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
  - h. 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
  - i. Besides application, do not allow to use the paint as fuel.
  - j. Outdoor exposure or by ultraviolet radiation to the interior lights in the building and factory, it can be

make discoloration(yellowing) and chalking.

k. 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](http://www.kccworld.co.kr)) Or ask the customer's service.

<b>1'st issue</b>	2011-03-01
<b>Revision</b>	

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.

