

UNIPOXY EMBO (Two-component)



OVERVIEW

UNIPOXY EMBO is a two part, solvent-free type, coloured, epoxy floor coating with thixotropic properties and outstanding resistance to heavy abrasion and impact.

• Recommended Use

As a middle coat on concrete floors subjected to decreasing noise.

Used place where decreasing noise in driving areas is required.

Excellent for parking lot of apartment, hospital, office building, etc.

PHYSICAL PROPERTIES

1. Finish and Color

Gloss. Green. Other colors are available on request.

2. Drying Time

	5 °C	10 °C	20 °C	30 °C
Set to touch	10 hours	6 hours	3 hours	2 hour
Dry through	45 hours	30 hours	16 hours	12 hours
Fully cured	9 days	6 days	4 days	3 days

3. Solids by Volume

Approx. 96 %

4. Spreading Rate

0.3 L/m² in 0.3mm dry film thickness on a smooth surface

5. Specific Gravity

Mixed : Approx. 1.4 ~ 1.5 (Kg/L).

6. Flash Point

PTA & PTB : Over 25°C/77°F(Closed cup).

APPLICATION DETAILS

1. Surface Preparation

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.

2. Preceding Coat

UNIPOXY PRIMER 100 or according to specification.

UNIPOXY EMBO must be coated with two times (1st : scrapping UNIPOXY LINING 1-2 mm coating, 2 nd: main UNIPOXY EMBO 0.3 mm coating) to prevent bubble occurrence due to concrete void and coating defect due to polluted material.

3. Application Conditions

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

4. Mixing

PTA(Base) : PTB(Curing Agent) = 12 : 3 (by volume).

Mix separately, then combine together and mix thoroughly with high speed dissolver for 2-3 minutes prior to application in the proportions as delivered.

5. Pot Life & Recoating Time

Substrate temperature	5 °C	10 °C	20 °C	30 °C
Pot Life	45minutes	40minutes	30minutes	25minutes
R/I (Min.)	45hours	30hours	17hours	12hours
R/I (Max.)	9days	6days	4days	3days

* Remarks

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

6. Thinning

Not required

7. Method of Application

EMBO sponge roller.

8. Film Thickness

Recommended per coat 0.3 mm dry.

9. Subsequent Coating

UNIPOXY COATING

10. Shelf Life

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

11. Packing

15 L (PTA : 12 L, PTB : 3 L)

Remarks

1. 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.
2. It must be coated with two times (1st : scrapping UNIPOXY LINING 1-2 mm coating, 2 nd: main UNIPOXY EMBO 0.3mm coating) to prevent bubble occurrence due to concrete void
3. If it is coated under recommendation thickness or is polluted with dust, while applying, it can be occurred cratering
4. It must be coated within pot life.
5. 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.
6. During application, to avoid breathing vapors or spray mist, wear the protective mask, protective glasses, gloves and suitable protective equipment.
7. 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.
8. 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.
9. Besides application, do not allow to use the paint as fuel.
10. 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.

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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.



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