



EPOXY RESIN MORTAR UNIPOXY RESIN MORTAR is a three component floor coating based epoxy/amine resin and silica sand with an excellent resistance to abrasion and impact. It forms tough and hard film with very good resistance to acids, alkalies and organic solvents

Recommended use	A floor coating for the place where non-slip effect ,impact and abrasion resistance is required such as parking lot, hospital and other similar places.
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Physical Properties

Finish and Color	Clear. Green, Reddish brown. Other colors are available on request. * For clear : Mixed with color sand * For color : Mixed with general sand
Specific gravity	Mixed Approx. 1.10(kg/L)
Solids by volume	Approx. 100%
Spreading rate (Theoretical)	0.94–1.24Kg/m ² in 3mm dry film thickness on a smooth surface. 1.57–2.06Kg/m ² in 5mm dry film thickness on a smooth surface.
Flash point	BASE(summer) : 101°C/214°F (Closed cup), CURING AGENT(summer) : 93°C/200°F (Closed cup). BASE(winter) : 101°C/214°F (Closed cup), CURING AGENT(winter) : 62°C/144°F (Closed cup).

Application details

Surface preparation	Remove any oil, grease and other contaminants from the surface to be coated Concrete should be thoroughly cured for at least 28 days at 20°C/68°F and below 80% R.H												
Method of application	Trowel, Spatula												
Mixing	* For UNIPOXY RESIN MORTAR –clear : Mixed with color sand Base(PTA) : Curing Agent(PTB) : color sand (by weight) – for summer = 12.5kg : 3.4kg : 95kg(For parking lot or walk-way) – for winter = 12.5kg : 3.92kg : 64kg (For heavy equipments or heavy duty) * For UNIPOXY RESIN MORTAR –color : Mixed with general sand Base(PTA) : Curing Agent(PTB) : general sand (by weight) – for summer = 13.3kg : 3.4kg : 95kg(For parking lot or walk-way) – for winter = 13.3kg : 3.92kg : 64kg (For heavy equipments or heavy duty) Mix separately Base and Curing Agent with electric-mixer and pour the mixture to silica sand (or color sand) and stir material to uniform consistency. Required resin quantities and mixing ratio for application area condition. : If thinner is used ,Drying is delayed and crack can be occurred <table border="1"> <tr> <th rowspan="2">Application area</th><th colspan="2">Resin quantities</th><th rowspan="2">Mixing ratio(by weight)</th></tr> <tr> <th>3mm D.F.T</th><th>5mm D.F.T</th></tr> <tr> <td> </td><td> </td><td> </td><td> </td></tr> </table>			Application area	Resin quantities		Mixing ratio(by weight)	3mm D.F.T	5mm D.F.T				
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	General condition (For parking lot or walk-way)		0.94kg/m ²	1.57kg/m ²	Resin/Sand = 1/6
	Severe condition (For heavy equipments or heavy duty)		1.24kg/m ²	2.06kg/m ²	Resin/Sand = 1/4
Thinning	Do not dilute.				
Application conditions	Do not apply when the temperature is less than 10°C/50°F, and relative humidity is above 80%. The surface temperature should be at least 3°C (37°F) above dew point to prevent condensation.				
Film thickness	3 – 5mm at a time				
Drying time		5°C / 41°F	10°C/50°F	20°C / 68°F	30°C / 86°F
	Set to touch	2days	40hours(36hours)	12hours(12hours)	6hours(5hours)
	Dry through	5days	60hours(48hours)	24hours(20hours)	12hours(10hours)
	Fully cured	14days	10days	7days	5days
*bracket – for winter season					
Subsequent Coat	TOPCOAT UNIPOXY COATING or according to specification.				
Pot life		10°C/50°F	20°C / 68°F	30°C / 86°F	
	Pot life	40minutes(30minutes)	20minutes(10minutes)	10minutes(5minutes)	
	Recoating time(min)	4days	2days	1day	
	Recoating time(max)	28days	21days	14days	

Storage and package	
Shelf life	12 months
Packing Unit	BASE CURING AGENT Summer(clear) 12.5kg 3.4kg Summer(color) 13.3kg 3.4kg Winter(clear) 12.5kg 3.92kg Winter(color) 13.3kg 3.92kg *Summer : April ~ September, Winter : October ~ March *Porous surfaces should be primed many times with suitable primer to avoid penetration of UNIPOXY REINS MORTAR RESIN.

Remarks	
Note	– 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. – During application, , wear the protective mask, protective glasses, gloves and suitable protective equipment to avoid breathing vapors or spray mist – 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 – 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 – Do not allow to use the paint as fuel.

– 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.

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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.

