



Unipoxy Putty is a epoxy resin based two component filler which gives outstanding resistance to heavy abrasion and impact and less absorption of paint.

Recommended use	Concrete, PC(Precasted Cement), crack of cement mortar, filler of gap
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Physical Properties

Finish and Color	Matt. Brown..
Specific gravity	Mixed : Approx. 1.8 (Kg/L)
Solids by volume	Approx. 97-100 %
Spreading rate (Theoretical)	On a smooth surface, 2.0m ² / ℓ in 500 μm dry film thickness
Flash point	Base (PTA) : 25°C/77°F (Closed cup)

Application details

Surface preparation	Remove any oil and grease from surface to be coated with clean rags 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. Concrete's compressive strength must be over 160 kgf/cm ² and if strength is over 260 kgf/cm ² , abrasive blasting is recommended to surface treatment
Preceding coat	UNIPOXY PRIMER or UNIPOXY PRIMER(HIGH VISCOSITY)
Method of application	Putty knife or Spatula..
Mixing	PTA(Base) : PTB(Curing Agent) = 1.9 : 1 (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.
Thinning	Not required
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

Film thickness Recommended one coat 500 μm dry

Drying time	Substrate temperature	5°C	20°C	30°C	Remarks
	Set to touch	3 h 30min	2 h	1 h 30min	
	Dry through	8 h 30min	4 h	2 h 30min	

Fully cured	17 h	5 h	3 h 30min	Thickness 500 μm
Able to grinding	17 h ~ 10 days	5 h ~ 4 days	3.5 h ~ 3 days	

Subsequent Coat

Before subsequent coating , sanding and solvent cleaning must be done

Pot life

Substrate		5 $^{\circ}\text{C}$	20 $^{\circ}\text{C}$	30 $^{\circ}\text{C}$
Pot Life		3h	1h 30m	1h
Recoating Interval	R/I (Min.)	17h	5h	3h 30m
	R/I (Max.)	30d	21d	14d

Storage and package

Shelf life	12 months (Store in cool, dry, well-ventilated place)
Packing Unit	9 L (PTA : PTB = 5.9 L : 3.1 L)

Remarks

Note	<p>a. Thinning leads to defect of curing and property then it is not required.</p> <p>b. Thickness over 500 μm at one coat may cause delay of drying or crack.</p> <p>c. Painting UNIPOXY PRIMER on UNIPOXY PUTTY may cause a defect because of moisture absorption. So, painting the UNIPOXY PUTTY first before the UNIPOXY PRIMER.</p> <p>d. Unipoxy Lining is Outdoor exposure or exposure to ultraviolet radiation by indoor lighting inside the many on-site. It makes Properties of Epoxy paint discoloration (yellowing) and Chalking will occur.</p> <p>e. The paint compounds would occur a headache, dizziness, loss of coordination and health problems, so do not breathe vapors, spray mist & fumes and do not eat the compounds.</p> <p>f. During application, to avoid breathing vapors or spray mist, wear the protective mask, protective glasses, gloves and suitable protective equipment</p> <p>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</p> <p>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</p> <p>i. . 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.</p>
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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.

