

ENERGY SAVER COOL ROOF



Water-based epoxy primer

This paint is a water-based epoxy paint manufactured by using water-based epoxy resin. Unlike oil-based epoxy, it is an eco-friendly paint that does not contain any ingredient harmful to humans. This paint has excellent adhesion and water resistance. It penetrates the concrete mortar surface uniformly, thereby enhancing the interlayer adhesion to the ENERGY SAVER cool roof intermediate coating.

Usage	Primer for roof concrete
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Specification

Paint type	Modified epoxy / Modified amin (2-Component)			
Drying time	Category	10°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	15 minutes
	Dry-through	24 hours	8 hours	5 hours
	Over-coat (Min.)	72 hours	48 hours	24 hours
	Over-coat (Max.)	10 days	7 days	5 days
	Pot life	1 hour	45 minutes	30 minutes
<p>Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.</p> <p>The film that has passed the maximum follow-up coating time may have adhesion failure. Please apply after checking the proper surface treatment and adhesion.</p>				
Thinner	Tap water	Dilution ratio	▷ No dilution	
Specific gravity	Apprx. 1.2		▷ Dilution rate: up to 3%, volume ratio(if necessary)	
Theoretical Coverage	6~7 m ² /ℓ	Solid volume ratio	40±3 %	
Color	White	Thickness of dried film	60μm	
Mixing ratio	Base(A)/Hardener(B)=1.74/1 (Weight ratio)	Gloss	Matte	
Shelf life	6 months	Packaging unit	4K, 15K (Compounds)	

How to Use

Surface treatment	<ol style="list-style-type: none"> 1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%. 2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness. 3. The substrate with severe absorption of primer due to poor concrete should be reinforced by additional coating to exhibit excellent adhesion.
Coating Conditions	<ol style="list-style-type: none"> 1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less. 2. At low temperature and high humidity, water evaporation on the coating surface during coating is very delayed, and normal properties cannot be exhibited even when it is dried.
Coating Method	<ol style="list-style-type: none"> 1. Reinforce cracks, crevices, and joints between walls and floors with an epoxy putty after primer. 2. Apply smoothly to the base surface using a roller, etc. after evenly mixing the base and hardener. 3. Add the hardener to the base and use after evenly mixing for 3-5 minutes with a power stirrer. <p>Appropriate construction specifications</p> <ul style="list-style-type: none"> ▷ Primer : ENERGY SAVER COOL ROOF_Water-based primer ▷ Intermediate coating : ENERGY SAVER COOL ROOF_Water-based intermediate coating ▷ Top coat : ENERGY SAVER COOL ROOF_Water-based top coat