

ENERGY SAVER

Urethane(R) top coat



This paint is a heat shield waterproofing top coat manufactured by using non-yellowing 2K elastic urethane resin and special ceramic material. It reflects infrared rays during painting and shows a heat shielding effect by preventing the heat of the surface from being transmitted to the inside. Unlike ordinary urethane paints, it is highly flexible and suitable as a top material for waterproofing materials. In particular, it is excellent in hiding power, adhesion and abrasion resistance, and it is an exposed type heat shielding top coat for waterproofing materials.

Usage	Exposure type waterproofing material top coat
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Specification

Paint type	Polyurethane resin (2-Component)			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	1 hour	30 minutes	20 minutes
	Dry-through	18 hours	12 hours	8 hours
	Over-coat (Min.)	18 hours	12 hours	8 hours
	Over-coat (Max.)	5 days	3 days	2 days
	Pot life	6 hours	4 hours	2 hours
	Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.			
Thinner	DR-700, DR-700L	Dilution ratio	▷ Dilution rate: up to 10%, volume ratio	
Specific gravity	1.10±0.05 (Based on white color)			
Theoretical Coverage	0.11 kg/m²	Solid volume ratio	43±3 % (Based on green color)	
Color	White, bright gray, gray, green	Thickness of dried film	40 μm	
Mixing ratio	Base(A)/Hardener(B)=8/1 (Weight ratio)	Gloss	Glossy	
Shelf life	12 months	Packaging unit	16L	
Flash point	27 °C			

Product Properties (Physical Property Data)

Certification Status	U.S. Cool Roof Rating Council Certification, U.S ENERGY STAR Certification: white, bright gray, gray, bright green, green
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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. For high-strength concrete (260kg/㎠ or higher), blasting treatment should be carried out.
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.
Coating Method	<ol style="list-style-type: none">1. Reinforce cracks, crevices, and joints between walls and floors with the NEW-THANSUNG SEAL(N).2. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc. <p>Appropriate construction specifications</p> <p>▷ Primer : CLEANTHANE 1000</p> <p>▷ Intermediate coating : ECO-CLEANTHANE 2100, CLEANTHANE 2100 PLUS, CLEANTHANE 2100(KS), ENERGY SAVER Urethane(R) intermediate coating</p> <p>▷ Top coat : ENERGY SAVER Urethane(R) top coat</p>