

ENERGY SAVER



Urethane(R) intermediate coating

This paint is an energy-saving urethane intermediate coating for rooftop waterproofing, to which new functions that were not available in the past have been imparted. It has a high reflectance and a low thermal conductivity, so it can reduce the cooling/heating energy of a building. It is made of an urethane material and is excellent in physical performance in terms of elongation, adhesion and elasticity. It can form a seamless film, so a uniform film layer can be formed.

Usage

Waterproof intermediate coating exclusive for rooftops and exposed areas (energy-saving type)

Specification

Paint type	Polyurethane resin (2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	12 hours	6 hours	4 hours
	Dry-through	72 hours	48 hours	24 hours
	Over-coat (Min.)	48 hours	24 hours	12 hours
	Over-coat (Max.)	96 hours	36 hours	24 hours
	Pot life	60 minutes	30 minutes	20 minutes
Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.				
Thinner	Not Applicable (DR-700, if necessary)	Dilution ratio	▷No dilution ▷In case of high viscosity in the winter season, dilute within the volume ratio 3%	
Specific gravity	0.98 (Based on gray color)			
Theoretical Coverage	2.7 kg/m ² (Based on 3mm)	Solid volume ratio	95±3 % (Based on gray color)	
Color	White, green, gray, other ordered colors	Thickness of dried film	3 mm	
Mixing ratio	Base(A)/Hardener(B)=1/1.6 (Weight ratio)	Flash point	50 °C	
Shelf life	6 months (5 ~ 35 °C indoor storage)	Packaging unit	13.5 L [Base(4.88 L), Hardener(8.62 L)]	

Product Properties (Physical Property Data)

Tensile strength	More than 2.5 N/mm ²	Tearing strength	More than 14.7 N/mm
Elongation rate	More than 450 %	Hardness	shore A 55 ± 10

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/cm² 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. 2. Moisture content in the concrete: 6% or less. <p>During scorching heat in the summer (atmospheric temperature: 28°C or higher; surface temperature: 40°C or higher), please apply after 4 pm when the surface temperature drops.</p>
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> <ul style="list-style-type: none"> ▷ Primer : CLEANTHANE 1000 ▷ Intermediate coating : ENERGY SAVER Urethane(R) intermediate coating ▷ Top coat : ENERGY SAVER Urethane(R) top coat