

ECO-CLEANTHANE 2100

Eco-friendly urethane coat for waterproofing



This paint is a room-temperature curing 2K polyurethane intermediate coating for rooftop waterproofing with excellent tensile strength, tearing strength and elongation. It is an eco-friendly paint that does not contain any toxic substance and heavy metal. Additionally, due to its self-smoothing ability, it can form a seamless film and is excellent in water resistance, cold resistance and durability. As a liquid waterproofing material, it is easy to repair even if the waterproof layer is broken. It is an exposed type elastic urethane waterproofing material corresponding to KS F 3211 urethane rubber type 1.

Usage

Waterproofing material for various engineering works, rooftops of buildings and other areas

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	48 hours	24 hours	18 hours
	Over-coat (Min.)	48 hours	24 hours	18 hours
	Over-coat (Max.)	96 hours	48 hours	36 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	DR-700, DR-700L, DR-790	Dilution ratio	▷ No dilution	
Specific gravity	Approx. 1.40 (Based on green color)			
Theoretical Coverage	4.4 kg/m ² (Based on 3mm)	Solid volume ratio	95±3 % (Based on green color)	
Color	Green, gray, other colors	Thickness of dried film	3 mm	
Mixing ratio	Base(A)/Hardener(B)=1/2.5 (Weight ratio)	Flash point	62°C	
Shelf life	6 months (5 ~ 35 °C indoor storage)	Packaging unit	20kg [Base(5.7kg), Hardenet(14.3kg)]	

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 60 ± 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> <p>Gray and light colors are discolored by ultraviolet rays after a certain period of time or during coating.</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 : CLEANTHANE 2100 PLUS▷ Top coat : CLEANTHANE 3000K