

BLACKTHANE 2100NT(KS)

Non-tar urethane waterproofing for non-exposure

This paint is a room-temperature curing 2K non tar-urethane intermediate/top coat that is suitable for non-exposed waterproofing due to its excellent tensile strength, tearing strength and elongation. Due to its self-smoothing ability, it can form a seamless film and is excellent in water resistance, chemical resistance and durability. It can also form a uniform coating film. It is easy to repair even if the waterproof layer is broken. It is a non-exposed type elastic urethane waterproofing material corresponding to KS F 3211 type 2.

Usage

Waterproofing material for various engineering works and non-exposure parts of buildings

Specification

Paint type	Polyurethane resin (2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	12 hours	7 hours	5 hours
	Dry-through	48 hours	24 hours	18 hours
	Over-coat (Min.)	2 days	1 day	18 hours
	Over-coat (Max.)	4 days	2 days	1 day
	Pot life	60 minutes	30 minutes	20 minutes
<small>Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.</small>				
Thinner	DR-700, DR-700L, DR-790	Dilution ratio	▷ No dilution	
Specific gravity	Approx. 1.45 (Based on black color)			
Theoretical Coverage	4.5 Kg/m ² (Based on 3mm)	Solid volume ratio	94±3 % (Based on black color)	
Color	Black, green, gray	Thickness of dried film	3 mm	
Mixing ratio	Base(A)/Hardener(B)=1/4 (Weight ratio)	Flash point	50°C	
Shelf life	6 months (5 ~ 35 °C indoor storage)	Packaging unit	25 kg [Base(5 kg), Hardener(20 kg)]	

Product Properties (Physical Property Data)

Tensile strength	More than 2.0 N/mm ²	Tearing strength	More than 12.8 N/mm
Elongation rate	More than 550 %	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 : BLACKTHANE 100▷ Intermediate/Top coat : BLACKTHANE 2100NT(KS)