

BLACKTHANE 250NT

Non-tar urethane 1K waterproofing for non-exposure

This paint is a 1K non tar-urethane intermediate/top coat that is excellent in physical performance in terms of tensile strength, elongation and tearing strength. In particular, as a 1K type, it can be used immediately without stirring the base and the hardener and is excellent in the adhesion and elastic effect of coating. In addition, it is a non-exposed type waterproof material that is easy to repair even if the waterproof layer is broken.

Usage

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

Specification

Paint type	Polyurethane resin (1-Component)			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	12 hours	7 hours	5 hours
	Dry-through	72 hours	24 hours	18 hours
	Over-coat (Min.)	3 days	1 day	18 hours
	Over-coat (Max.)	4 days	2 days	1.5 days
	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. 1.6 (Based on black color)			
Theoretical Coverage	5.5 kg/m ² (Based on 3mm)	Solid volume ratio	More than 85 % (Based on black color)	
Color	Black, green, gray	Thickness of dried film	3 mm (2~3 times)	
Flash point	28 ℃	Shelf life	6 months	
Packaging unit	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 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℃ 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℃, Surface Temperature: 40℃ or below, Relative Humidity: 80% or less.2. Moisture content in the concrete: 6% 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 BLACKTHANE 250NT with sawtooth scraper, rubber scraper, pitchfork, etc. by dividing into primary scrapping(0.5~1.0mm) and secondary main coating. Applying a thick coat (2mm or more) at once may cause drying failure. <p>Appropriate construction specifications</p> <p>▷ Primer : BLACKTHANE 100</p> <p>▷ Intermediate/Top coat : BLACKTHANE 250NT</p>