

BLACKTHANE AP

1K Asphalt Urethane Waterproofing Membrane



BLACKTHANE AP is a one-component asphalt-urethane waterproofing coating with excellent mechanical properties such as tensile strength, elongation, and tear resistance. This product can be applied directly without mixing a base and hardener, providing superior workability. It offers outstanding adhesion to substrates and excellent elastic performance, and it complies with KS F 3211 (Urethane Rubber Type, Class 2) for membrane waterproofing systems.

Usage

Non-exposed waterproofing for concrete structures and general buildings

Specification

Paint type	Polyurethane resin (One-component)			
Drying time	Category	5°C	20°C	30°C
	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	3 days	1.5 days
Pot life	60 min.	30 min.	20 min.	
※ Pot life and recoat intervals are measured under laboratory conditions and may vary depending on field conditions.				
Thinner	DR-700, DR-700L, DR-790	Dilution ratio	▷ No dilution	
Theoretical Coverage	Approx. 1.30 ± 0.05kg/m ² (based on 1.0mm dry film thickness)	Thickness of dried film	1mm	
Color	Black			
Flash point	33°C	Shelf life	6 months	
Packaging unit	18kg			

Product Properties (Physical Property Data)

Tensile strength	2.0N/mm ² more	Elongation	550% more
Tear strength	12.8N/mm more	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 21°C and 50% relative humidity.2. Completely remove oil, moisture, sand, dust, laitance, and other contaminants and ensure surface smoothness.3. For high-strength concrete (≥ 260kg/cm²), blasting treatment is required.
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.
Coating Method	<ol style="list-style-type: none">1. Reinforce cracks, joints, and intersections between walls and floors using New Elastic Seal (KS F 4910).2. Apply BLACKTHANE AP uniformly using a notched trowel, rubber trowel, or rake to ensure proper spreading of the waterproofing membrane. Install SKIN SHEET AP-2000DS(V) simultaneously while applying the coating. <p>Appropriate construction specifications</p> <ul style="list-style-type: none">▷ Urethane primer : CLEANTHANE 1000▷ Asphalt Urethane Waterproofing Membrane : BLACKTHANE AP▷ vertical waterproofing and joint reinforcement : ECU BLACKTHANE Z100N1(VERTICAL) <p>▷ Waterproofing sheet : SKIN SHEET AP-2000DS(V)</p>