

NEW SINGLETHANE

One-component elastic urethane waterproofing for exposure

This paint is a one-component elastic urethane intermediate coating that is excellent in physical performance in terms of tensile strength, elongation and tearing strength. In particular, as a one-component type, it can be used immediately without stirring the base and the hardener, and 1~1.5mm coating is possible with one coat. It is a one-component exposed type waterproofing material for roofs that is excellent in the adhesion and elastic effect of coating.

Usage

Waterproof coating exclusive for rooftops and exposed areas

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 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. 1.5			
Theoretical Coverage	5.0 kg/m ² (Based on 3mm)	Solid volume ratio	More than 90 % (Based on green color)	
Color	Green, gray	Thickness of dried film	3 mm	
Flash Point	33 °C	Shelf life	6 months	
Packaging unit	18 kg			

Product Properties (Physical Property Data)

Tensile strength	More than 2.5 N/mm ²	Elongation rate	More than 450 %
Tearing strength	More than 14.7 N/mm	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.
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 Singlethane 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> <ul style="list-style-type: none"> ▷ Primer : CLEANTHANE 1000 ▷ Intermediate coating : NEW SINGLETHANE ▷ Top coat : CLEANTHANE 3000K