

# BLACKTHANE 100



## Elastic urethane primer for waterproofing

This paint is a moisture curing type one-component urethane primer that is cured by the reaction with moisture in the air. In particular, it is an exclusive primer used upon elastic urethane painting in order to reinforce the substrate and improve the adhesion with the intermediate material.

Usage	Elastic urethane primer for concrete and mortar surfaces
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### Specification

Paint type	Polyurethane resin (One-component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	15 minutes
	Dry-through	12 hours	4 hours	2 hours
	Over-coat (Min.)	15 hours	6 hours	3 hours
	Over-coat (Max.)	2 days	1.5 days	1 day
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	0.97			
Theoretical Coverage	0.18 kg/m <sup>2</sup> (Based on 50μm)	Solid volume ratio	28±3 %	
Color	Transparent	Thickness of dried film	50μm	
Flash point	17 °C	Shelf life	12 months (5 ~ 35 °C indoor storage)	
Packaging unit	16 L			

### How to Use

Surface treatment	<ol style="list-style-type: none"> <li>1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%.</li> <li>2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.</li> <li>3. For high-strength concrete (260kg/cm<sup>2</sup> or higher), blasting treatment should be carried out.</li> </ol>
Coating Conditions	<ol style="list-style-type: none"> <li>1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less.</li> <li>2. Moisture content in the concrete: 6% or less.</li> </ol>
Coating Method	<ol style="list-style-type: none"> <li>1. Apply thinly using a brush or roller so that it does not stagnate in the base during coating.</li> <li>2. The primer should be sufficiently penetrated to the substrate, and if excessive coating is formed on the surface, adhesion failure may occur.</li> <li>3. The required amount may vary depending on the surface condition.</li> </ol> <p>Appropriate construction specifications</p> <ul style="list-style-type: none"> <li>▷ Primer : BLACKTHANE 100</li> <li>▷ Intermediate coating : Elastic urethane coating</li> </ul>