

# PROTECH 100

## Polyurea primer



**PROTECH 100 is a moisture-curing one-component urethane paint that is cured by the reaction with moisture in the air. In particular, it is an exclusive primer used for polyurea application. It is a paint that is applied in order to reinforce the material, prevent pinholes and improve adhesion upon painting on concrete.**

Usage

Primer for concrete

### Specification

Paint type	One-component polyurethane resin			
Drying time	Category	5℃	20℃	30℃
	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	Approx. 1.0			
Theoretical Coverage	7.8 m²/L (Based on 50µm)		Solid volume ratio	40±3 %
Color	Transparent		Thickness of dried film	50µm
Flash point	23℃		Shelf life	12 months (5 ~ 35 °C indoor storage)
Packaging unit	16L			

### 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/m<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> <p>▷ Primer : PROTECH 100 (It may vary depending on the substrate.)</p> <p>▷ Intermediate coating 1 : ECO CLEANTHANE 2100 (if necessary, for the purpose of base adjustment)</p> <p>▷ Intermediate coating 2 : PROTECH series</p> <p>▷ Top coat : PROTECH 300 (coating for external exposure)</p>