

PROTECH 300

Polyurea top coat



PROTECH 300 is an exclusive top coat for polyurea based on urethane resin (non-yellowing type). Due to its excellent adhesion, weather resistance, and chemical resistance, beautiful appearance, and excellent color retention ability, it is applied for the purpose of protecting intermediate materials upon polyurea exterior painting.

Usage

Polyurea top coat (for prevention of contamination & outside exposure)

Specification

Paint type	Modified synthetic resin (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	1 hour	30 minutes	10 minutes
	Dry-through	18 hours	12 hours	8 hours
	Over-coat (Min.)	18 hours	12 hours	8 hours
	Over-coat (Max.)	3 days	2 days	1 day
	Pot life	6 hours	4 hours	2 hours
	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	Up to 10%, volume ratio	
Specific gravity	1.09 (Based on green color)			
Theoretical Coverage	10 m²/L	Solid volume ratio	40±3 % (Based on green color)	
Color	Green, other ordered colors	Thickness of dried film	40µm	
Mixing ratio	Base(A)/hardener(B)=4/1 (Weight ratio)	Gloss	Glossy (Semihard, matte made of order)	
Shelf life	12 months	Packaging unit	16L (Compounds)	
Flash point	27°C			

How to Use

Surface treatment	1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated. 2. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 60%. 3. For high-strength concrete (260kg/cm ² or higher), blasting treatment should be carried out.
Coating Conditions	1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less
Coating Method	1. Reinforce cracks, crevices, and joints between walls and floors with the New-Elastic Seal (N). 2. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc. Appropriate construction specifications ▷Primer : PROTECH 100(It may vary depending on the substrate.) ▷Intermediate coating 1 : ECO CLEANTHANE 2100 (if necessary, for the purpose of base adjustment) ▷Intermediate coating 2 : PROTECH series ▷Top coat : PROTECH 300(coating for external exposure)