

ECO-CRETE 200 SL



This paint is a three-component flooring material for concrete that is composed of a base, a hardener and powder by using the binding between polyurethane resin and inorganic powder. It is a non-solvent type eco-friendly product with excellent physical performance in terms of abrasion resistance, chemical resistance and impact resistance as well as excellent boiling water resistance compared to other flooring materials. About a 4mm thick coating can be formed by one coat, and smoothness and workability are excellent. In particular, it can be used for concrete floors in a state where the water content is temporarily high.

Usage	Concrete flooring material for indoor factory floors, etc. such as food factories, cold storage warehouses, etc.
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Specification

Paint type	Polyurethane resin / Powder (Three-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	12 hours	6 hours	3 hours
	Dry-through	24 hours	12 hours	8 hours
	Over-coat (Min.)	24 hours	16 hours	12 hours
	Over-coat (Max.)	72 hours	48 hours	36 hours
	Pot life	25 minutes	20 minutes	15 minutes
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 ▷ In case of high viscosity in the winter season, dilute within the volume ratio 1%	
Specific gravity	1.90 (Based on green color)			
Theoretical Coverage	8 kg/m ²	Solid volume ratio	95±3 % (Based on green color)	
Color	Green, gray, reddish brown, iron yellow	Thickness of dried film	4 mm	
Mixing ratio	Base/Hardener/Powder =3.4/3.6/16.0 (Weight ratio)	Gloss	Matte	
Shelf life	6 months	Packaging unit	24 kg	
Flash point	110°C		Base(3.4 kg), Hardener(3.6kg), Powder(16.0kg)	

Product Properties (Physical Property Data)

Compressive strength	More than 40 N/mm ²	Adhesion strength	More than 1.5 N/mm ²
Bending strength	More than 15 N/mm ²	Hardness	More than shore D 60

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. Please repair severe bumps or cracks with a paste of intermediate coating material.
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. Apply smoothly using sawtooth scraper, rubber scraper, pitchfork, square towel, etc. 2. Remove air bubbles inside the coating by using a spike roller simultaneously with painting. <p>Appropriate construction specifications</p> <p>▷ Primary coating: To prevent air bubbles, primary coating is done by applying a thickness of about 1mm.</p> <p>▷ Secondary coating: Spread out evenly using sawtooth scraper, rubber scraper, and pitchfork, and discharge the air inside the matrix using a spike roller.</p>