

ECO-CRETE RG



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 and impact resistance, chemical resistance such as various organic acids, alkalis, and oils, and excellent hot water resistance. It is a wall-type paint that can form a thick film of about 4 mm with one coat. In particular, it can be used for concrete floors in a state where the water content is temporarily high.

Usage

Concrete walls for indoor factory floors, food factories, cold storage warehouses, etc.

Specification

Paint type	Polyurethane resin / Powder (Three-Component)			
Drying time	Category	5℃	20℃	30℃
	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/m²	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 =1.29/1.2/12.0(Weight ratio)	Gloss	Matte	
Shelf life	6 months	Packaging unit	24 kg	
Flash point	110℃		Base(1.29kg), Hardener(1.20kg), Powder(12.00kg)	

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	1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%. (PH 7~9) 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	1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, 2. Moisture content in the concrete: 6% or less
Coating Method	1. Apply smoothly using square towel. Appropriate construction specifications Primer: ECO-CRETE PRIMER Topcoat: ECO-CRETE 200 SL, ECO-CRETE RG