

ECO-CLEANTHANE 2100(KS)

Urethane coat for waterproofing

This paint is a two-component solventless elastic urethane intermediate coating that has an environmental mark certification. Heavy metal content(4 kinds), heavy metal elusion(19 kinds) and phthalate plasticizer(6 kinds) are not found, and no toxic substances are included, in this paint. It is self-leveling, making it possible to form a seamless film, and is an elastic waterproofing material suitable for exposed roof concrete waterproofing due to excellent water resistance, cold resistance and durability.

■ Heavy metal: Pb,Cd,Cr+6,Hg,Al,Sb,As,Ba,B,Cr+3,Co,Cu,Mn,Ni,Se,Sr,Sn,organic Sn,Zn

■ Plasticizer: DBP,BBP,DEHP,DINP,DNOP,DIDP

■ Toxic substance: MOCA[4,4'-methylenebis(2-chloroaniline)]

Usage

Waterproofing material for various engineering works, rooftops of buildings and other areas

Specification

Paint type	Polyurethane resin (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set to Touch	12 hours	30 minutes	20 minutes
	Dry-through	48 hours	24 hours	18 hours
	Over-coat (Min.)	48 hours	24 hours	18 hours
	Over-coat (Max.)	96 hours	48 hours	36 hours
	Pot life	60 minutes	30 minutes	20 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
Specific gravity	Approx. 1.50 (based on green color)	Solid volume ratio	93±3 % (based on green color)
Theoretical Coverage	4.8 kg/m ² (3mm)	Thickness of dried film	3 mm
Color	Green, gray, other ordered colors	Flash Point	62°C
Mixing ratio	Base(A)/Hardener(B)=1/3.76(Weight ratio)	Packaging unit	20 kg [Base(4.2 kg), Hardener(15.8 kg)]
Shelf life	6 months (5~35°C Indoor storage)		

Product Features (Physical Property Data)

Tensile strength	More than 2.0 N/mm ²	Tearing strength	More than 12.8 N/mm
Elongation rate	More than 550 %	Hardness	Shore A 60 ± 10

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 oil, moisture, sand, dust, laitance and foreign substances from the surface and maintain surface smoothness.3. For high-strength concrete (260kg/m³ or higher), blasting treatment should be carried out.
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 moisture content in the concrete: 6% or less2. During scorching heat in the summer (atmospheric temperature: 28°C or higher; surface temperature: 40°C or higher), please apply after 4 pm when the surface temperature drops.3. Scrape (or front-putty) the concrete surface to a thickness of about 0.5 to 1.0mm to minimize the occurrence of pinholes and bubbles due to pores there. For intermediate coat, apply the scrapping in the first place and then the main coating in two separate runs.4. The gray and light color product lines are discolored by ultraviolet light during the lapse of a certain period of time or during painting work.
Coating Method	<ol style="list-style-type: none">1. Reinforce cracks, crevices, and joints between walls and floors with the NEW-THANSUNG SEAL.2. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc. <p>Appropriate construction specifications</p> <p>▷ Primer : CLEANTHANE 1000</p> <p>▷ Intermediate coating : ECO-CLEANTHANE 2100(KS)</p> <p>▷ Top coat : CLEANTHANE 3000K</p>