

# YEGREENA CRYSTAL US



This paint is a 2K non-solvent type epoxy clear paint composed mainly of non-solvent-based epoxy resin and modified amine resin. It is excellent in the hardness of dry film, adhesion, durability, chemical resistance and dust proofness. In particular, it is superior to the CLEANPOXY LINING CLEAR paint in terms of yellowing resistance. It has excellent smoothness and can form a beautiful appearance after painting. It is more effective if an interior design is applied before applying this paint.

Usage

Epoxy flooring material for concrete surfaces (an effect of improved interior design by clear intermediate coating and top coat)

## Specification

Paint type	Modified epoxy / Modified amine (2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	10 hours	6 hours	2 hours
	Dry-through	52 hours	12 hours	9 hours
	Pot life	50 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.				
The film that has passed the maximum follow-up coating time may have adhesion failure. Please apply after checking the proper surface treatment and adhesion.				
Thinner	Not Applicable	Dilution ratio	▷ No dilution ▷ In case of high viscosity in the winter season, dilute within the volume ratio 1%	
Specific gravity	Approx. 1.10			
Theoretical Coverage	3.3 kg/m <sup>2</sup> (Based on 3.0 mm)	Solid volume ratio	99±1 %	
Color	Clear (Compounds)	Thickness of dried film	2~3 mm	
Mixing ratio	Base(A)/hardener(B)=2/1 (Weight ratio)	Gloss	Glossy	
Shelf life	12 months	Packaging unit	16L (Compounds)	

## 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> </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, Moisture content in the concrete: 6% or less</li> <li>2. Due to the nature of epoxy lining transparent paint, a color difference may be shown over time if the coating surface is a bright color.</li> <li>3. The degree of occurrence of yellowing varies depending on the long-term exposure to sunlight or the use time of indoor lighting, etc.</li> <li>4. The use of a thinner more than the recommended amount causes a further delay in drying, decline in hardness, whitening, skid marks, etc.</li> </ol>
Coating Method	<ol style="list-style-type: none"> <li>1. Reinforce cracks, crevices, and joints between walls and floors with an epoxy putty after primer.</li> <li>2. Apply smoothly using sawtooth scraper, rubber scraper, pitchfork, square towel, etc.</li> <li>3. Care should be taken since problems may occur such as cratering upon thin coating. (2mm or less - 1 time)</li> </ol> <p>Appropriate construction specifications</p> <p>▷ Primer : CLEANPOXY CLEAR PRIMER, CLEANPOXY PENETRATED PRIMER DNY-200</p> <p>▷ Top coat : Epoxy colored paint(if necessary)</p> <p>▷ Lining : YEGREENA CRYSTAL US</p>