

CLEANPOXY ACID RESISTANT LINING

Acid resistant epoxy flooring

This paint is a two-component non-solvent type epoxy paint composed mainly of non-solvent-based modified epoxy resin and modified amine resin. It is a product, in which the acid resistance has been innovatively improved compared to the conventional commercialized non-solvent-based epoxy. It is a special epoxy flooring material with excellent chemical resistance especially against sulfuric acid, hydrochloric acid, nitric acid, acetic acid, phosphoric acid and alkali.

Usage

Battery handling facilities, acid etching processing factories, semiconductor production plants, chemical plants and laboratories, etc.

Specification

Paint type	Modified epoxy / Modified amine (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	10 hours	4 hours	3 hours
	Dry-through	48 hours	20 hours	14 hours
	Over-coat (Min.)	72 hours	48 hours	24 hours
	Over-coat (Max.)	4 days	3 days	2 days
	Pot life	40 minutes	25 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. 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 (Green)			
Theoretical Coverage	2.3 kg/m ² (Based on 2 mm)	Solid volume ratio	96±3 %	
Color	Green, gray, other ordered colors	Thickness of dried film	2~3 mm	
Mixing ratio	Base(A)/hardener(B)=2.2/1 (Weight ratio)	Gloss	Glossy	
Shelf life	6 months	Packaging unit	16L (Compounds)	

Product Properties (Physical Property Data)

Chemical type	50% sulfuric acid, 20% hydrochloric acid, 20% nitric acid	Test method	KS M ISO 2812-1
	20% acetic acid, 20% phosphoric acid, 20% NaOH		Appearance after 168h soaking
	Engine oil, saturated calcium hydroxide	Test result	Good (see the test report)

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%. 2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.
Coating Conditions	1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, 2. Please note that due to the nature of epoxy paint, discoloration and chalking may occur if exposed to the outdoor environment. 3. The use of a thinner more than the recommended amount causes a further delay in drying, decline in hardness, whitening, skid marks, etc.
Coating Method	1. Reinforce cracks, crevices, and joints between walls and floors with the Noruseal #6600. 2. Apply smoothly using sawtooth scraper, rubber scraper, pitchfork, square towel, etc. * Problems may occur such as cratering upon thin coating. It can be used as acid-resistant resin mortar by being mixed with silica. Appropriate construction specifications ▷ Primer : CLEANPOXY CLEAR PRIMER, CLEANPOXY PENETRATED PRIMER DNY-200 ▷ Lining : CLEANPOXY ACID RESISTANT LINING