CLEANPOXY ACID RESISTANT COATING

Acid resistant epoxy flooring

Cleanpoxy Acid Resistant Coating is a two-component epoxy flooring which is composed of novolac epoxy resin. It has very high chemical resistance to sulfuric acid, hydrochloric acid, nitric acid, acetic acid, phosphoric acid and alkali. It is applicable to acid resistant lining repair work and top coat. You can obtain 100㎛ D.F.T. with one coat.

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

Specification

Paint type	Phenol novolac epoxy / Modified amine (Two-Component)

Drying time

Category	5℃	20℃	30℃
Set-to-touch	8 hours	4 hours	2 hours
Dry-through	36 hours	18 hours	12 hours
Over-coat (Min.)	48 hours	24 hours	18 hours
Over-coat (Max.)	7 days	5 days	3 days
Pot life	80 minutes	50 minutes	30 minutes

Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.

Pot life is shorter than general solvent type epoxy. Please finish work before pot life passes.

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	DR-100 or DR-100L	Dilution ratio	▷Brush, roller coating: less than 10%
Specific gravity	Approx. 1.25 (Green)		
Theoretical Coverage	7㎡/L (1 coat - 100㎛)	Solid volume ratio	70±3 %
Color	Green, gray, other ordered colors	Thickness of dried film	100㎛
Mixing ratio	Base(A)/hardener(B)=2.5/1(Weight ratio)	Gloss	Glossy
Shelf life	6 months (well-ventilated dry, cold and dark location)	Packaging unit	14L (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)

Chemical resistance test results are based on the thoroughly dried film. (Excessive use of thinner may degrade chemical resistance.)

Depending on the type and concentration of the chemicals, discoloration may occur. Sufficient performance can be achieved after 7 days of drying. (20℃)

How to Use

Surface treatment	1. Cure concrete for at least 28 days at a temperature of 21℃ 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℃, Surface Temperature: 40℃ or below, Relative Humidity: 80% or less, Moisture content in the concrete: 6% or less 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 epoxy putty. * Too thin film and excessive thinner usage might cause cratering, poor appearance and poor chemical resistance. Apply one coat in recommended D.F.T. using a roller for both water-based and solvent-based. Appropriate construction specifications ▷Primer : CLEANPOXY CLEAR PRIMER, CLEANPOXY PENETRATED PRIMER DNY-200 ▷Intermediate coating : CLEANPOXY LINING DHDC-6200(Y), CLEANPOXY ACID RESISTANT LINING (if necessary) ▷Top coat : CLEANPOXY ACID RESISTANT COATING