

Two-Package Type Epoxy Resin Paint

EPOLITE

EDOGAWA GOSEI CO., LTD.

○ **Product Summary**

Epolite is a two-package type anti-corrosive primer designed to address the two most serious threats to the substrate: corrosion and cutting oil. The cured film displays unparalleled resistance to cutting oil, along with excellent adhesion, anti-corrosive property, and chemical as well as water resistance.

○ **Functionality**

- **Excellent Adhesion**
It provides excellent adhesion to various kinds of metals including aluminum and stainless steel.
- **Superior Anti-Corrosive Property**
The product contains no harmful substances such as chromium and uses instead the low toxic anti-corrosive pigments, following our commitment to being “green.”
- **Unparalleled Resistance to Cutting Oil**
Its unparalleled chemical resistance is made possible by the three-dimensional crosslink using polyamine and the uniquely modified epoxy resin used in the base.

○ **Composition**

Base:	specially modified epoxy resin	Curing agent:	modified polyamine
	anti-corrosive pigments		organic solvent
	color pigments		
	extender pigments		
	additives		
	organic solvent		

○ **Intended Use**

Primer for steel, aluminum, stainless, electrogalvanized steel, and other metals.

○ **Use and Application**

- **Pretreatment**
Degrease and de-rust the substrate prior to application of the paint.
- **Agitation**
Provide sufficient agitation before use to disperse the sediment.
- **Mixing**

Water Resistance	Immersed in tap water at ambient temperature for 6 months	OK
Oil Resistance	Immersed in water soluble cutting oil at ambient temperature for 6 months	OK
Solvent Resistance	Rub 30 times back and forth with a cloth soaked in lacquer thinner	OK
Salt Spray Test	Salt spray tester 5% NaCl solution (98% humidity, 168 hours)	1mm \geq
Boiling Water Resistance	Immersed in boiling water at 98°C for 1 hour	OK
Finish Coat Compatibility	Two-package epoxy resin paint	100/100
	Two-package urethane resin paint	100/100

* In all the tests, Epolite Base Resin 505 Blue was applied to SPCC steel plates and dried at ambient temperature for one week.

○ **Color**

- Base Resin 301 Gray 16kg
- Base Resin 802 Black 16kg
- 549-001 Makino Snow White 16kg
- Epolite Hardener 4kg

*About special color please to inquiry.

○ **Precautions**

- Read and follow SDS before use.
- The two-package type paint has limited pot life after mixing. Use within pot life.
- Mixing with other company's thinner may cause the pigments to separate from resin and compromise its performance.
- Although the cured film has the excellent chemical resistance, the uncured coating remains very active on the surface. Use caution to avoid discoloration upon exposure to acid or alkaline component (pretreatment solution for metal plates, etc) in dry ambient air.
- The coating may show weaker mutual adhesion depending on the paint used. Make sure to check the composition of the paint prior to application.