

## Precautions

1. Review SDS for hazard and toxicity information.
2. Degrease the surface completely before application.
3. Mixing with thinners other than the recommended product may cause the paint components to separate with time and compromise performance.
4. Use immediately after dilution.
5. Keep the product tightly sealed and store in a cold, dark place.  
Use hardener immediately as it may react with moisture in the air.
6. Shelf life is six months after shipment for the paint ,three months after shipment for the hardener and one year after shipment for the thinner. Use immediately after opening.
7. The product is intended for indoor use; avoid outdoor use or exposure to direct sunlight for long hours.
8. The coating may show weaker mutual adhesion depending on the paint used.  
Make sure to check the composition of the paint prior to application.
9. Although the cured film has the excellent chemical resistance and cutting oil 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.



EGT

EDOGAWA GOSEI (THAILAND)

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**An undercoat paint designed  
and developed with a special focus  
on cutting oil resistance**

**In addition to providing  
excellent anti-corrosion  
properties, adhesion,  
and strong resistance  
to chemicals and water,  
Epolute Psaraf forms  
a tough cured coating film  
that displays unequalled  
resistance to the  
biggest challenge  
for coating  
films—cutting oil.**



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## Characteristics

### Cutting oil resistance achieved by carefully-selected materials

Its unequalled cutting oil resistance is made possible by the use of special modified epoxy resin as the main agent and the three dimensional crosslinking using polyamine.

### Excellent adhesion to non-ferrous metal

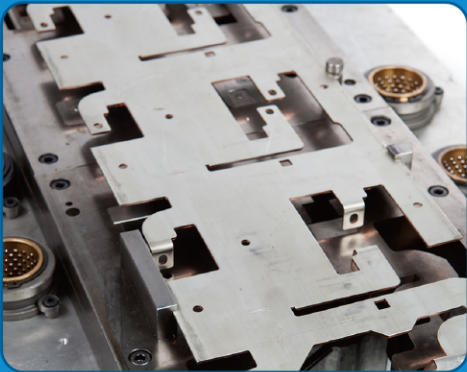
The product provides excellent adhesion to various kinds of metal including aluminum and stainless steel.

### Environmentally friendly formulation

An environmentally friendly product, Epolite contains no harmful substances such as chromium and is instead formulated with low toxic anti-corrosive pigments.

## Intended use

Machine tools, industrial machinery, and other metal surfaces that require resistance to cutting oil and chemical.



## Color

●901White ●802Black ●301Gray

To request a specific color, please consult our sales representative.

## Packaging

Paint Epolite / paint : 16 kg

Hardener Epolite / hardener : 4 kg

Thinner Thinner 3200 : 16L

SS(Midsummer type) S(Summer type) SW(Spring-autumn type) W(Winter type) WW(Midwinter type)

## Directions for use

### 1.Surface preparation

Degrease and derust the surface completely before application.

### 2.Stir well

Stir the product well before use as conductive components or other materials may have settled during storage.

### 3.Mix with a thinner

The mixing ratio by weight is 4 : 1 : 1-1.5 (4 parts paint : 1 parts hardener 1-1.5 parts thinner). Use Thinner 3200 series for dilution.

### 4.Apply paint

Air pressure	0.3-0.5MPa
Nozzle size	1.2-1.5mm
Film thickness	30-40μm
Coating quantity	about 170g/m <sup>2</sup>

※The two-package type curing paint has a pot life (the length of time the paint is usable after mixing) of six hours at 25 degrees Celsius. Use within the pot life and discard mixture past the pot life limit.

### 5.Setting

Set in ambient temperature for more than 30minutes while applied room drying or 10-15 minutes while applied forced drying before coating the top coat.

### 6.Dry

Set-to-touch time	25°C×5minutes
Dry-hard time	25°C×6-8hours
Forced dry time	60-120°C×30minutes

## Performance

Film performance test results Test paint / Epolite 301 Gray Test material / SPCC steel plates

Test Item	Test Condition	Result	Our Standard
Adhesion	Cross-cut test (SPCC-SD steel plate)	100/100	95/100
	Cross-cut test (Bonderized steel plate)		
	Cross-cut test (Aluminum plate 1050P)		
	Cross-cut test (SUS304 stainless plate)		
Finish Coat Compatibility	Two-package epoxy resin paint	OK	No crack and peeling
	Two-package urethane resin paint		
Erichsen Test	Erichsen testing machine (φ20mm extrusion)		No appearance abnormality
Bend Test	Bend testing machine (φ4mm 1 sec./180°)		
Chip Resistance	Dupont impact tester (φ1/2inch 500g 50cm)		
Water Resistance	Immersed in tap water at ambient temperature for 48 hours		30 times ≤
Oil Resistance	Immersed in water soluble cutting oil at ambient temperature for 6 months		
Alkaline Resistance	Immersed in 5% NaOH solution for 200 hours		
Solvent Resistance	Rub 30 times back and forth with a cloth soaked in lacquer thinner		Rust width 1mm ≥
Salt Resistance	Salt spray tester 5% NaCl solution(Ambient temperature 35°C , 98% humidity, 168 hours)		
Boiling Water Resistance	Immersed in boiling water at 98°C for 1 hour		No appearance abnormality

※ Please note that various test results are evaluations at our company and do not guarantee quality performance.