



General Solvent Base 2K Paint For Chrome Plating and Various Plastics

『ORIGIPLATE Z』

◇Feature

- 1) Extensive substrate suitability
It has a wide range of material suitability including metal and various plastics.
- 2) Excellent coating performance
Excellent weathering resistance.
Excellent chemical resistance.
- 3) Excellent manufacturability
Good paint workability.
Long pot life.

◇Standard Coating Specification

Item	Specification / Condition
Standard Hardener	POLYHARD MH (Standard hardener) POLYHARD H (Matte Specification)
Mixing Ratio	Paint / Hardener / Thinner : 40 / 10 / 20
Viscosity	10 ~ 13 sec.
	Ford cup # 4 20 °C
Standard Film Thickness	25 μm
Flush Off Condition	Approx 5 min.
Standard Drying Condition	80 °C × 30 min.

◇Applicable Substrate / Standard Thinner

Substrate	Standard Thinner
Chrome plating	ORIGIN THINNER #210
Aluminum	
ABS	PLANET THINNER #D260
PMMA	
PC	PLANET THINNER #D722

◇Coating Film Performance

Substrate : Chrome plating

Test Item	Result	Test Condition
Pencil hardness	OK	Mitsubishi Uni (HB or higher)
Adhesion	100/100 OK	1mm cross-cut Peeling by cellophane adhesive tape
Water resistance	100/100 OK	40°C hot water × 240h immersion Adhesion test
Humidity resistance	100/100 OK	50°C · 98%RH × 240h Adhesion test
Heat resistance	100/100 OK	90°C × 500h Adhesion test
Impact resistance	OK	Du Pont impact tester 1/2inch 500gf × 30cm
Gasoline resistance	OK	Regular gasoline x 20°Cx30min
Volatiles oil resistance	OK	No.1 volatile oil x 20°C × 24h immersion
Abrasion resistance	5000cycles	Broad #60 Sliding type 1kgf/cm ²
Accelerated weathering resistance	OK	SWOM 1000h

◇Application / Adoption History

- Interior and exterior applications for automobile
- Architectures and construction materials
- Fishing tackles

- Please dilute this paint with exclusive thinner, then thoroughly stir and use filtration.
- Coating specification may change depending on the material grade,type and spraying equipment.
- The film performance is evaluation results under our company's standard specification, and it is not a guarantee for all the results.
- Please contact our Sales Dept. as below if you have any inquiries or questions

Contact: Origin Co., Ltd. Chemitronics Div. Sales Dept. Tel: +81-42-557-4113