



High Durability General Solvent Base 2K Paint

『PLANET PZ』

◇Feature

- 1) Weathering resistance
Excellent gloss retention rate, stain resistance and resistance to discoloration.
- 2) Manufacturability
Finger touch hardening is fast.
Good overcoatability.
- 3) Substrate suitability
Excellent adhesion to various plastics.

◇Standard Coating Specification

Item	Coating Specification
Standard Hardener	POLYHARD Z (For ABS, AES) POLYHARD MH (For PMMA)
Mixing Ratio	Paint/Hardener/Thinner : 40 / 10 / 20
Viscosity	10 ~ 15 sec.
	Ford cup #4 20 °C
Standard Film Thickness	20 μm
Flush Off Condition	Approx 5 min.
Standard Drying Conditions	80 °C × 30 min.

◇Applicable Substrate / Standard Thinner

Substrate	Standard Thinner
ABS	PLANET THINNER #D260
AES	
PMMA	

◇Coating Film Performance

Substrate : ABS

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	80°C × 500h Adhesion test
Impact resistance	OK	Du Pont impact tester 1/2 inch 500gf × 30cm
Gasoline resistance	OK	regular gasoline 20°C × 30min.
Abrasion resistance	OK	Broad #60 Sliding type 1kgf/cm ²
Print resistance	OK	Gauze, 70°C × 2h 500gf, Φ 40mm
Accelerated weathering resistance	OK	SWOM 1000h

◇Application / Adoption History

- Interior and exterior applications for automobile
- Home appliances, consumer electronics and telecommunications
- Architectures and construction materials
- Industrial equipments

- 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