



High Performance Paint General Solvent Base 2K Paint

『PLANET PX-1』

◇Feature

- 1) Extensive substrate suitability
Excellent coating performance to various materials.
- 2) Excellent coating performance
Excellent abrasion resistance.
Excellent solvent resistance.
- 3) Excellent manufacturability
Good paint workability.
Long pot life.

◇Standard Coating Specification

Item	Coating Specification
Standard Hardener	POLYHARD Z (Standard hardener) POLYHARD MH (For metal)
Mixing Ratio	Paint/Hardener/Thinner : 40 / 10 / 20
Viscosity	10 ~ 14 sec.
	Ford cup #4 20 °C
Standard Film Thickness	20 μm
Flush Off Condition	Approx 5 min.
Standard Drying Conditions	(Standard)80 °C × 30 min. (For metal)100 °C × 30 min.

◇Applicable Substrate / Standard Thinner

Substrate	Standard Thinner
ABS	PLANET THINNER #D260
PC	PLANET THINNER #D722
Various metals	ORIGIN THINNER #210

◇Coating Film Performance

Substrate : ABS

Test Item	Result	Test Condition
Pencil Hardness	2H	Mitsubishi UNI
Adhesion	100/100 OK	1mm cross-cut Peeling by cellophane adhesive tape
Water resistance	100/100 OK	40°C hot water × 120h immersion Adhesion test
Humidity resistance	100/100 OK	50°C·98%RH × 48h Adhesion test
Heat resistance	100/100 OK	80°C × 72h Adhesion test
Thermal shock resistance	OK	(-30°C·6h→80°C·6h) 10cycles
Alcohol resistance	OK	Methanol rubbing 20times
Abrasion resistance	OK	Broad #60 Sliding type 1kgf/cm ²
Engine oil resistance	OK	Engine oil 20°C × 24h
Accelerated weathering resistance	OK	SWOM 200h

◇Application / Adoption History

- Optical instruments
- Home appliances, consumer electronics and telecommunications
- Medical equipments
- Architectures and construction materials
- Game machines

- 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