



Environmentally Friendly 2K Paint

『ECONET EY』

◇Feature

1) Environmentally friendly paint

Doesn't contain specific VOC materials which are regulated by Ministry of Health, Labor and Welfare and Japan Automobile Manufacturers Association.

2) Substrate suitability

Excellent adhesion onto various engineering plastics such as ABS, PC, PMMA and Nylon series.

3) Laser etching manufacturability

Excellent manufacturability for laser etching process.

◇Standard Coating Specification

Item	Coating Specification	
Standard Hardener	Polyhard FT (Standard) Polyhard PA (Depending on substrate)	
Mixing Ratio	Paint / Hardener / Thinner : 80 / 10 / 80	
Viscosity	10 ~ 15 sec.	
	Ford cup # 4	20 °C
Standard Film Thickness	20 μm	
Flush Off Condition	5 min.	
Standard Drying Conditions	80 °C × 30 min.	

◇Applicable Substrate / Standard Thinner

Substrate	Standard Thinner
PC	ECONET THINNER #7055
PC/ABS	ECONET THINNER #1055
ABS	
PMMA	
Nylon series	

◇Coating Film Performance

Substrate : PC

Test Item	Result	Test Condition
Pencil hardness	HB	Mitsubishi Uni
Adhesion	100/100 OK	1mm cross-cut Peeling by cellophane adhesive tape
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 1/2inch 300gf × 50cm
Abrasion resistance	OK	Taber abrasion 2.5N × 100cycles
Print resistance	OK	Gauze, 70°C × 2h 500gf × Φ40mm
Animal fat and oil resistance	OK	Commercially available animal fat and oil × 2.0g/100cm ² 80°C × 168h
Cosmetic resistance	OK	Commercially available hair tonic 1.0g/100cm ² 80°C × 168h
Accelerated light resistance	OK	FOM 800h

◇Application / Adoption History

- Interior and exterior applications for automobile
- Optical instruments
- Home appliances, consumer electronics and telecommunications

- 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