



High Chemical Resistance Environmentally Friendly 2K Paint

『ECONET EZ』

◇ 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) Chemical resistance

Better chemical resistance compared with existing grades (ECONET EY, EY SS).

3) Manufacturability

Excellent application rate. It'll help to improve production efficiency by shortening the painting process time.

◇ Standard Coating Specification

Item	Coating Specification
Standard Hardener	POLYHARD FT
Mixing ratio	Paint / Hardener / Thinner : 80 / 10 / 80
Viscosity	10 ~ 13 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
PC	ECONET THINNER EZ #55 ※Pls. check at COATING SPECIFICATIONS
ABS	ECONET THINNER EZ #55
PMMA	
PBT	
Nylon series	

◇ Coating Film Performance

Substrate : ABS

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
Cosmetic resistance	OK	Commercially available Suntan lotion × 0.5g/100cm ² 55°C × 4h
	OK	Commercially available hair tonic 1.0g/100cm ² 80°C × 168h
Perspiration resistance	OK	10% oleic acid solution 0.1g/100cm ² 80°C × 24h
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