



## High-performance Normal Solvent Base 2K Primer

## 『ORIGIN PRIMER U-03』

## ◇Feature

- 1) Adhesion strength  
Excellent adhesion strength to various materials.
- 2) Overcoatability  
Good interlayer adhesion with topcoat paint.
- 3) Durability  
It has excellent adhesion to chrome plating, so it can improve chipping resistance.

## ◇Standard Coating Specification

Item	Coating Specification
Standard Hardener	POLYHARD MH
Mixing Ratio	Paint/Hardener/Thinner : 200 / 10 / $\frac{200}{\sim 300}$
Viscosity	10 ~ 13 sec.
	Ford cup # 4      20 °C
Standard Film Thickness	8~12 μm
Flush Off Condition	Approx 5 min.
Standard Driving Conditions	80 °C × 30 min.

## ◇Applicable Substrate / Standard Thinner

Substrate	Standard Thinner
Chrome plating	ORIGIN THINNER #210
aluminum	
PBT	
Modified PPO(E)	

## ◇Coating Film Performance

Substrate : Chrome plating

Test Item	Result	Test Condition
Pencil hardness	HB	Mitsubishi Uni
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
Thermal shock resistance	100/100 OK	(-20°C × 24h → 65°C·95%RH × 24h) 2cycles Adhesion test
Salt water spray resistance	OK	5%NaCl, 35°C × 1000h
Impact resistance	OK	Du pont impact tester, 1/2inch 500gf, 30cm
Chipping resistance	OK	SUGA Gravel tester w/crushed stone NO.7

※Topcoat for the above evaluation : ORIGIPLATE Z

## ◇Application / Adoption History

- Exterior applications for automobile
- 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

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