

Two-component acrylic urethane paint for plastics

HAIUREX P LASER ETCHING

(LP79- line)

Summary

HAIUREX P is the two-component acrylic paint with acrylic urethane resin and hardener of polyurethane resin. This paint has special features such as anti-alcohol and chemicals, and highly adherence to many kinds of plastics. It is used for car interior parts, home appliances and cameras. LP79-line was developed as laser cut paint and can be used for multiple coats with UV paint and primer.

Features

1. Good laser edging.
2. Good weatherability.
3. Good alcohol resistance and chemical resistance.
4. Good material adhesion.
5. Having a rich plump surface.

Paint number

LP79- HAIUREX P LASER ETCHING each color

Recommended thinner & hardener^{*)}

(Thinner)

ABS, PMMA

Z-27912 HAIUREX P THINNER(quick-dry)

Z-27975 HAIUREX P THINNER(standard)

Z-27918 HAIUREX P THINNER(slow-dry)

PC, PC/ABS

Z-27970 HAIUREX P THINNER(quick-dry)

Z-27993 HAIUREX P THINNER(standard)

Z-27995 HAIUREX P THINNER(slow-dry)

(Hardener)

Z-H-800 (standard)

Z-H-330 (for use in multilayer base coat on PC)

^{*)}Using in multilayer may change spraying condition. For details, please contact sales dept.

Applicable material

ABS, PC, PC/ABS, PMMA

Please send any questions to address included below

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Standard spray specifications		
Terms		Specifications
Mixing ratio	Z-H-800	4:1:3±1
Paint:Hardener:Thinner(by weight)	Z-H-330	5:1:4±1
Spraying viscosity(IWATA VISCOMETER NK-2 at 20℃)		10±2 sec
Spraying method	Gun diameter	1.3±0.3mm ϕ
	Pressure of spray	0.3±0.1MPa
Distance of spray and material		25±5cm
Baking condition	Flash off	
	Baking	Z-H-800
		Z-H-330
Standard film thickness		20±5 μ m

■ Coating performance

Test item	Test conditions	Result
Adhesion	Peeling of 1mm cross-cut adhesion tape (10 × 10)	100/100
Hardness	Mitsubishi pencil UNI 1kg of load	F ~ H
Eraser abrasion resistance	Sony eraser testing equipment, 1.64kgf, 100 rounds	Pass
Alcohol resistance	99.5% ethanol, 500g/cm ² , 100 rounds	Pass
Acid resistance	0.1N H ₂ SO ₄ , 5cc, 25°C × 24h	Pass
Alkali resistance	0.1N NaOH, 5cc, 55°C × 4h	Pass
Gasoline resistance	Regular gasoline, 30min, immersion	Pass
Heat resistance	Peeling of 1mm cross-cut adhesion tape after 85°C × 96h	100/100
Humidity resistance	Peeling of 1mm cross-cut adhesion tape after 50°C × 98%RH × 120h	100/100
Heat cycle resistance	Peeling of 1mm cross-cut adhesion tape -20°C × 3h ⇄ 60°C × 3h, 10 cycle	100/100
Weatherability	SWOM, 300h, ΔE = 1.0 less than	Pass
Painting condition	Material PC LP79- HAIUREX P LASER ETCHING Silver Paint : Hardener (Z-H-330) : Thinner (Z-27993) = 5 : 1 : 3 (by weight) Flash off 25°C × 5min Baking 80°C × 30min (Seven days before examination start) Dry film 22 ± 1 μ m	

※ The listed property value is not value of standard by our test result.
Please adopt it after examining it enough

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