

Two-component acrylic urethane paint for plastics

HAIUREX P

(P79- 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.

P79-line can be used for multiple coats with UV paint and primer.

Features

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

Paint number

P79- HAIUREX P 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

Notice of use

1. Clean the substrate surface before spraying. Poor adhesion and craters may be caused by foreign objects, such as release agents, attached on the substrate.
2. Use the exclusive thinner for this paint. The film performance may decrease depending on the type of thinner.
3. Verify adhesion, solvent resistance of the substrate, hardening etc. before use, since a variety of resin grades have been developed.
4. Make sure to stir paint thoroughly before use. Pour the diluted paint into a stirred tank, and spray while stirring.
5. Store the paints in a cool (-20~40°C) and dark place, away from direct sunlight.
6. This paint is two-pack paint. Dilute minimal amount of this paint for use. Pot-life; period of time diluted paint remains suitable for use, of this paint is 4 hours at 20 degrees. Please note that quality of paint may decrease when applied after pot-life has expired.
7. Regarding further precautions, refer to SDS etc.

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	25℃×5min.	
	Baking	Z-H-800	80℃×30min.
		Z-H-330	80℃×60min.
Standard film thickness		20±5 μm	

■ 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, 100rounds	Pass
Alcohol resistance	99.5%ethanol, 500g/cm ² , 100rounds	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, 10cycle	100/100
Weatherability	SWOM, 300h, ΔE=1.0 less than	Pass
Painting condition	Material PC P79- HAIUREX P Silver Paint : Hardener (Z-H-800) : Thinner(Z-27993)=4 : 1 : 2(by weight) Flash off 25°C×5min Baking 80°C×30min(Seven days before examination start) Dry film 22±1 μm	
※The listed property value is not value of standard by our test result. Please adopt it after examining it enough		

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