

High brightness two-component acrylic urethane paint for plastics

HAIUREX P BONUL TONE

(KNP79- line)

Summary

HAIUREX P is the two-component acrylic paint with acrylic urethane resin and hardener of polyurethane resin.
 It is used for car interior parts, home appliances and cameras.
 KNP79-line is used for base coat with highest brightness that is similar to gilding plate.

Features

1. High brightness as metal plating.
2. Good adhesion as top coat.
3. Good material adhesion.

Paint number

KNP79- HAIUREX P BONUL TONE each color

Recommended thinner & hardener

(Thinner)

Z-27970 HAIUREX P THINNER(quick-dry)
 Z-27975 HAIUREX P THINNER(standard)
 Z-27978 HAIUREX P THINNER(slow-dry)

(Hardener)

Z-H-800

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.

Applicable material

ABS

Topcoat adaptive

P79-, CH79-(two-component acrylic urethane paint)

Please send any questions to address included below

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Standard spray specifications		
Terms		Specifications
Mixing ratio Paint:Hardener:Thinner(by weight)		10:1:11±1
Spraying viscosity(IWATA VISCOMETER NK-2 at 20°C)		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°C × 5min.
	Baking	80°C × 30min.
Standard film thickness		3±1 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 ABS Under coat KNP79- HAIUREX P BONUL TONE Silver Paint:Hardener(Z-H-800):Thinner(Z-27975)=10:1:10(by weight) Flash off 25°C × 5min, Baking 80°C × 30min, Dry film 4 ± 1 μ m <u>Top coat P79- HAIUREX P Clear</u> Paint:Hardener(Z-H-800):Thinner(Z-27975)=4:1:3(by weight) Flash off 25°C × 5min, Baking 80°C × 30min, Dry film 22 ± 1 μ m (Five days before examination start)	
※The listed property value is not value of standard by our test result. Please adopt it after examining it enough		

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