

Ecological high brightness 2K acrylic urethane paint for plastics

ECO HAIUREX P GRANDE BONUL

(EC-GPX79- series)

Summary

Recent movement of targeting product development and outstanding uniqueness among competitors enhances the company's high-end strategy to express the value in the market. Simultaneously, customer's expectation of uniquely designed colors is in competitively in demand. The mind of "Prioritize Designability" has increasingly been expected as well as its cost.

As for these background, EC-GPX79- Eco Haiurex P Grande Bonul is a product which is 2K acrylic urethane metallic paint that overcomes an issue of 2 coating, 3 coating in high brightness metallic color tone and enables to perform both "High brightness" and "Excellent film performance". Furthermore, this product is Toluene and Xylene free which environmentally responsible.

Features

1. High brightness
2. Good alcohol resistance and durability
3. Good cosmetic resistance and oil resistance
4. Good substrate adhesion
5. Good coating workability
6. Suitable for top coat (HAIUREX P, ULTRA VIN etc.)
7. Toluene and xylene free

Product code

EC-GPX79- each color of ECO HAIUREX P GRANDE BONUL

Recommended thinner & hardener

(Thinner)

Z-EC-K773 ECO HAIUREX P THINNER(quick-dry)

Z-EC-K775 ECO HAIUREX P THINNER(standard)

Z-EC-K777 ECO HAIUREX P THINNER(slow-dry)

(Hardener)

Z-EC-H-250(standard)

Applicable substrate

ABS, PC, PC/ABS, PMMA

Notice upon usage

1. Clean the substrate surface before spraying. Poor adhesion and craters may cause by foreign objects, such as release agents attached on the substrate.
2. Use the exclusive thinner for this paint as film performance may decrease depending on thinner.
3. Variety of resin grades have been developed, so do verify the adhesion, solvent resistance of the substrate, hardening etc. before use.
4. Make sure to stir paint thoroughly before use. Pour the diluted paint into a stirring tank, and spray while stirring.
5. Store the paints in a cool (-20 to 40°C) and dark place, keep away from the direct sunlight.
6. This paint is 2K paint, so please dilute only necessary amount. Pot-life will be 4 hours at 20-degree Celsius. Please note that quality of paint may decrease if exceed specified pot-life period.
7. Please refer to MSDS etc. for further precautions notice.

Please refer to the contacts below for any enquiry

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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)		9 ± 1 sec
Spraying method	Gun diameter	1.3 ± 0.3mm φ
	Spraying pressure	0.3 ± 0.1MPa
Distance from spray to substrate		25 ± 5cm
Baking condition	Flash off	25°C × 5min.
	Baking	80°C × 30min.
Standard film thickness		9 ± 1 μm

■ Coating performance

Test item	Test conditions	Result
Adhesion	1mm cross-cut adhesion tape(10×10) Peeling test	100/100
Hardness	Mitsubishi pencil UNI 1kg of load	F
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, with no appearance defects	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= less than 1.0	Pass
Painting condition	PC Substrate EC-GPX79- ECO HAIUREX P GRANDE BONUL Silver Paint: Hardener (Z-EC-H-250) : Thinner(Z-EC-K705)=10:1:10(by weight) Flash off 25°C×5min Baking 80°C×30min(Seven days before examination start) Dry film 9±1 μm	
*The listed property value is not a standard to show the specification value. Please do consider thoroughly before purchasing.		
*Please note that the products specs could change anytime for improvement without prior notice.		

April, 2018 JRD-EC-GPX79-V.E1.4