musashi paint
to be the new one for you

High brightness two-component acrylic urethane paint for plastics

HAIUREX P GRANDE BONUL

(GPX79-line)

Summary

Branding and differentiating strategy of manufacturers led to design-centric product development.
This tendency requires paint suppliers to provide manufacturers with paint which is able to actualize new design, and to keep a lid on cost.
HAIUREX P GRANDE BONUL is two-component paint which achieves high-intensity metallic painting in one coating, maintaining its film performance, where as conventional paint needs two or more coating layers to obtain such brightness.

Features

1. High brightness.
2. Good alcohol resistance and durability.
3. Good cosmetic resistance and oil resistance.
4. Good material adhesion.
5. Good workability.
6. Good adhesion as top coat (HAIUREX P, ULTRA VIN ete.).

Paint number

GPX79- HAIUREX P GRANDE BONUL each color

Recommended thinner & hardener

(Thinner)

ABS, PC, PC/ABS, PMMA

Z-K243 HAIUREX P THINNER(quick-dry)
Z-K245 HAIUREX P THINNER(standard)
Z-K247 HAIUREX P THINNER(slow-dry)

ABS, PMMA

Z-K22-series

PC

Z-K23-series

(Hardener)

Z-H-250(standard)

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℃) 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 MSDS etc.

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℃)		9±1 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	80℃×30min.
Standard film thickness		9±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
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_2SO_4, 5cc, 25℃×24h	Pass
Alkali resistance	0.1N NaOH, 5cc, 55℃×4h	Pass
Gasoline resistance	Regular gasoline, 30min,immersion	Pass
Heat resistance	Peeling of 1mm cross-cut adhesion tape after 85℃×96h	100/100
Humidity resistance	Peeling of 1mm cross-cut adhesion tape after 50℃×98%RH×120h	100/100
Heat cycle resistance	Peeling of 1mm cross-cut adhesion tape -20℃×3h ⇔ 60℃×3h, 10cycle	100/100
Weatherability	SWOM, 300h, ⊿E=1.0 less than	Pass
Painting condition	Material PC GPX79- HAIUREX P GRANDE BONUL Silver Paint:Hardener(Z-H-250):Thinner(Z-K245)=10:1:10(by weight) Flash off 25℃×5min Baking 80℃×30min(Seven days before examination start) Dry film 9±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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