musashi paint
to be the new one for you

Environment-responsive two-component acrylic urethane paint for plastics

ECO HAIUREX P

(EC-P79- line)

Summary

Having sick building syndrome emerge as a social issue, automobile companies have also been taking measures. One of them is using toluene-free/xylene-free paint or water-based paint.

ECO HAIUREX P "EC-P79-"is toluene-free/xylene-free, solvent-based, acrylic urethane paint which is suitable for such control.

ECO HAIUREX P is suitable for home electronics and in-car products, and is also capable of being laser cut.

Features

1. Toluene, xylene, ethyl-benzene each less than 0.1 % content.
2. Good film performance and coating workability.
3. Consultations are possible in use and Appearance.

Paint number

EC-P79- ECO HAIUREX P each color

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-800 (standard)
Z-EC-H-330 (Specifications for multi-layer undercoat for PC)

*) In the multilayer coating, coating specifications may vary. For more information, please contact our sales department.

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 SDS 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)		Z-EC-H-800	4:1:3±1
		Z-EC-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-EC-H-800	80℃×30min.
		Z-EC-H-330	80℃×60min.
Standard film thickness			20±5μm

■ 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_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 EC-P79- ECO HAIUREX P Silver Paint:Hardener(Z-EC-H-800):Thinner(Z-EC-K775)=4:1:3(by weight) Flash off 25℃×5min Baking 80℃×30min(Seven days before examination start) Dry film 16±1μm	
※The listed property value is not value of standard by our test result. Please adopt it after examining it enough		

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