

Two-component acrylic urethane paint for metals

HAIUREX M

(M79- line)

Summary

HAIUREX M (M79-line) is two-component acrylic urethane paint which adheres to some kinds of metal or unit plastic gilding, light-metal, urea resin, and phenol plastics. The film is anti-ultraviolet, high gloss and thickness. It is also a chemical resistance and has characteristics of both hardness and flexibility.

Features

1. It excels in the adhesion nature to various plating and various light metals.
2. The adhesion nature to urea resin and a phenol resin molding thing is excellent.
3. Good weatherability.
4. Good chemical resistance.
5. Good flexibility.

Paint number

M79- HAIUREX M each color

Recommended thinner & hardener

(Thinner)

Z-2802 HAIUREX M THINNER(quick-dry)
Z-2801 HAIUREX M THINNER(standard)
Z-2805 HAIUREX M THINNER(slow-dry)

(Hardener)

Z-H-400

Applicable material

Plastic plating side
Chrome plating, other plating sides
Zinc, aluminum, tin, or those alloys
Stainless steel, Tin sheet,
A steel plate , Processing steel plate,
Urea resin , Phenol resin molding thing

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-component 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)		4:1:3±1
Spraying viscosity(IWATA VISCOMETER NK-2 at 20°C)		12±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		18±2 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
Oil and lipid resistance	Peeling of 1mm cross-cut adhesion tape hair liquid, 80°C × 1week	100/100
Print resistance	Gauze, 1kg, 70°C × 2h	Pass
Painting condition	Material nickel chrome plating board of our company M79- HAIUREX M Black Paint: Hardener(Z-H-400) : Thinner(Z-2801)=4 : 1 : 3(by weight) Flash off 25°C × 5min Baking 80°C × 30min(Seven days before examination start) Dry film 18±1 μ m	
※The listed property value is not value of standard by our test result. Please adopt it after examining it enough		

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