

High gloss, good surface appearance 2K Acrylic urethane paint for plastic

Eco Sunshine Super MH

(EC-MH62-Tseries)

Introduction

Aesthetic requirement like high gloss and good leveling have been increasing, and not only electrical appliance industry but this tendency is also spreading to automotive industry. However, due to the high gloss and good leveling aesthetics, it causes obvious scratches on film, weld line of mold, environmental pollutant easily sticks to the surface which raise the manufacturing difficulty. Therefore, this paint was made to perform better workability, scratch resistance, buffability, conceals weld line, yet performs the feature of "Sunshine super MH MH62-series". It is 2K acrylic urethane paint made to cope mass manufacturing high gloss good levelling paint.

Features

1. Good surface appearance with excellent gloss and levelling
2. Excellent workability
3. Outstanding scratch resistance and conceals weld line
4. Excellent buffability
5. Free from Toluene, Xylene, Ethyl benzene

Product code

EC-MH62-T Sunshine super MH Various colors

Recommendable thinner and hardener

(thinner)

Z-EC-K781 Eco Haiurex P thinner (fast drying)
Z-EC-K783 Eco Haiurex P thinner (medium drying)
Z-EC-K785 Eco Haiurex P thinner (slow drying)

(hardener)

Z-EC-H-760

Applicable substrate

ABS, PC/ABS, PC

Usage precaution

1. Please clean the substrate thoroughly before spraying to avoid any contaminant which could cause poor adhesion or cissing.
2. Please use the selected thinner as it may cause property deterioration depending on the type of solvent.
3. There are several grades of substrates in the market, therefore please check before usage as some may result differently from its actual property.
4. Please stir evenly before usage. When spraying, please stir and pour the mixed paint into the stirring tank and stir while spraying.
5. Avoid direct sunlight and store it in a cool and dark place (-20°C to 40°C)
6. Please make the amount as per necessary as it is 2K paint. Pot life time is 4hours at 20°C. Please do not exceed the pot life time instructed as it may not able to perform as expected. Please refer to the SDS etc for other precautions.

Please contact below for any enquiry upon this paint

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Standard Spraying Specifications		
Contents		Spec
Mix ratio	Paint : Hardener : Thinner (by weight)	4 : 1 : 3 ± 0.5
Spraying viscosity(IWATA VISCOMETER NK-2 at 20°C)		10 ± 1 sec
Spraying method	Orifice diameter	1.3 ± 0.3 mm φ
	Spray gun pressure	0.3 ± 0.1 MPa
Spray distance		25 ± 5 cm
Drying condition	Setting temp x time	25°C x 5min
	Drying temp x time	80°C x 30min
DFT		27 ± 2 μm

■ Film performance

Contents	Test conditions	Result
Adhesion	1mm Cross Hatch Adhesion Tester (10x10)	100/100
Pencil hardness	Mitsubishi pencil UNI 1kg of load, scratching method	H
Eraser abrasion test	Sony eraser testing equipment, 1.64kgf, 300rounds, no exposure	Pass
Alcohol resistance	99.5% Ethanol rubbing, 500g/cm ² , 100times, no substrate exposure	Pass
Acid resistance	0.1N H ₂ SO ₄ , 5cc, Room tempx24hr, no appearance abnormality	Pass
Alkali resistance	0.1N NaOH, 5cc, 55°Cx4hrs, no appearance abnormality	Pass
Gasoline resistance	Immerse into regular gasoline for 30mins, no appearance abnormality	Pass
Thermal resistance	Adhesion test after 85°Cx96hrs	100/100
Humidity resistance	Adhesion test after 50°Cx98%RHx120hrs	100/100
Thermal cycle	Adhesion test after 10cycle of -20°Cx3hrs ⇔ 60°Cx3hrs	100/100
Weatherability	Sunshine weathermeter, 300hrs, within ΔE=1.0	Pass
Testing conditions for samples	Substrate PC substrate from Musashi Paint EC-MH62-T Eco Sunshine Super MH Black Paint: Hardener(Z-EC-H-760):thinner(Z-EC-K783)=4:1:3(by weight) Flash off 25°Cx5min Dry 80°Cx30min(start testing after 7days in room temperature) DFT 27±1 μm	
*The listed property value is an example of our test results and does not indicate standard value. Please consider thoroughly before purchasing.		
*Please be informed that for product improvement purposes, information may change without prior notices.		