musashi paint
to be the new one for you

1K acrylic resin paint for metals

RYLCON B

(B20-series)

Introduction

Conventionally developed plastics have been improved even lighter, easily designed materials which lead metallic or wooden materials to be replaced over its advantage of easily mass produced. However, metal has drastically developing its molding technic recently, and its lightness, hardness, conductivity, and recyclable feature leading some of plastics to be replaced by it.

RYLCON B is an outstanding 1K curable hard coat paint for metal which developed to meet the trend that can perform high hardness, and excellent in scratch resistance and abrasion resistance.

Features

1. High gloss
2. Gives thick surface
3. Good adhesion
4. Good stain resistance
5. Good chemical resistance, water resistance and solvent resistance
6. Has flexibility

Product code

B20- RYLCON B Various colors

Recommended thinner

Z-B2391 RYLCON THINNER (quick-dry)
Z-B2394 RYLCON THINNER (moderate)

Applicable substrate

SPCC-SB Polish steel plate,
SPCC-SB Zinc phosphate processing steel plate,
Aluminum (A1050P), Stainless steel (SUS-304)
Galvanized iron plate, Brass, Nickel chrome steel plating

Precautions

1. Please clean the surface of substrate before spraying as poor adhesion and cissing may be caused by contaminants, such as release agents on the substrate.
2. Please use the recommended thinner as it may cause physical characteristic deterioration of paint depending on the type of solvent.
3. Test adhesion, solvent resistance of the substrate, and curability etc. before usage. Variety of substrates in the market may result differently, so please test 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 the paint in a cool and dark place (-20℃ to 40℃).
6. Please refer to SDS etc. for other precautions.

Please contact below for any enquiry upon this product

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Standard spray specifications		
Terms		**Specifications**
Mixing ratio Paint : Thinner (by weight)		100 : 60 ± 10
Spraying viscosity(IWATA VISCOMETER NK-2 at 20℃)		17.5 ± 2.5 sec
Spraying method	Orifice diameter	1.3 ± 0.3mm φ
	Spray gun pressure	0.3 ± 0.1MPa
Spraying distance		25 ± 5cm
Drying condition	Flash off	25℃ × 5min
	Drying	160℃ × 20min
DFT		15 ± 5 μm

■ Film performance

Test item	Test conditions	Result
Adhesion	1mm Cross Hatch Adhesion Test (10x10)	100/100
Hardness	Mitsubishi pencil UNI 1kg of load	2H-3H
Eraser abrasion resistance	Sony eraser testing equipment, 1.64kgf, 300rounds	Pass
Alcohol resistance	99.5%ethanol rubbing, 500g/cm^2, 100rounds	Pass
Acid resistance	5% HCl, 25℃ × 24hr	Pass
Alkali resistance	5% NaOH, 25℃ × 24hr	Pass
Thermal resistance	1mm cross-cut adhesion test after 85℃ × 96hr	100/100
Humidity resistance	1mm cross-cut adhesion test after 50℃ × 98%RH × 120hr	100/100
Heat cycle resistance	1mm cross-cut adhesion test after 10 cycles of -30℃ × 1hr ⇔ 60℃ × 3hr	100/100
Weatherability	Sunshine weather meter, 150h, within ⊿E=1.0	Pass
Spraying condition	Substrate SPCC-SB B20- RYLCON B Silver Paint : Thinner(Z-B2394)=100 : 50(by weight) Flash off 25℃ × 5min Drying 160℃ × 20min(One day before examination start) DFT 17 ± 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.

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