

Two-component type acrylic silicon paint for metals and plastics

ULTIPA-WORLD

(787-line)

Summary

ULTIPA WORLD is two-component type acrylic silicon paint. A distinctive feature of this paint is to adhere to some kinds of plastics and metals, so it is possible to spray to the unit of plastic and metal at once. The appearance of color and gloss on both materials stays and it helps product efficiency.

Features

1. Good material adhesion.
2. Good drying characteristic and good workability.
3. The adhesion after the humidity examination resistant is good.
4. An attack to plastic material is weaker than two-component urethane paint.

Paint number

787- ULTIPA-WORLD each color

Recommended thinner & hardener

(Thinner)

Z-27883 ULTIPA-WORLD THINNER (quick-dry)

Z-27885 ULTIPA-WORLD THINNER (standard)

Z-27886 ULTIPA-WORLD THINNER (slow-dry)

(Hardener)

Z-787-10B(Standard)

*) With the multilayered coat specifications, painting conditions may be different. Specifically, please refer to our sales department.

Applicable material

ABS, PC, PC/ABS, PMMA

Electroless Ni-plated, chromium-plated, Dichromium-plated,
 SPCC-SB polished linerplate, SPCC-SB Zinc phosphate
 Treated steel, Aluminum A1050P, Aluminum A5052P,
 Stainless SUS-304, Galvanized sheet, Brass

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 8 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

MUSASHI PAINT CO., LTD. SALES DEPT.

3rd floor, 2-30-16, Minami Ikebukuro, Toshima-ku, Tokyo, 171-0022,
 Japan

Tel. 81-3-3985-0634 Fax. 81-3-3971-1757

MUSASHI PAINT CO., LTD. OSAKA OFFICE

1-17-13, Mizuhai, Higashiosaka-shi, Osaka, 578-0921, Japan

Tel. 81-72-963-1133 Fax. 81-72-963-0606

MUSASHI PAINT CO., LTD. NAGOYA OFFICE

MinamikanA, Komakiharawell's21, 1758-1, Komakiharashinden,
 Komaki-shi, Aichi, 485-0012, Japan

Tel. 81-568-54-2113 Fax. 81-568-54-2117

MUSASHI PAINT CO., LTD. HIROSHIMA OFFICE

4-13 Taguchi research institutes, Higashi Hiroshima-shi, Hiroshima,
 739-0038, Japan

Tel. 81-82-436-3423 Fax. 81-82-425-6316

MUSASHI PAINT INDUSTRY CO., LTD.

11-2, Kasumino, Sayamagahara, Iruma-shi, Saitama, 358-0032, Japan

Tel. 81-4-2934-4136 Fax. 81-4-2935-2736 (R&D dept.)

Tel. 81-4-2934-4138 Fax. 81-4-2935-2736 (Technical dept.)

Two-component type acrylic silicon paint for metals and plastics

ULTIPA-WORLD

(787-line)

Standard spray specifications		
Terms		Specifications
Mixing ratio Paint:Hardener:Thinner (by weight)		10:1:10±1
Spraying viscosity(IWATA VISCOMETER NK-2 at 20°C)		10±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°C × 5min.
	Baking	80°C × 30min.
Standard film thickness		15±5 μm

■ Coating performance

Test item	Test conditions	ABS	A1050	SUS-304
Adhesion	Peeling of 1mm cross-cut adhesion tape(10 × 10)	100/100	100/100	100/100
Hardness	Mitsubishi pencil UNI 1kg of load	F	H~2H	H~2H
Eraser abrasion resistance	Sony eraser testing equipment, 1.64kgf, 100rounds	Pass	Pass	Pass
Alcohol resistance	99.5%ethanol, 500g/cm ² , 100rounds	Pass	Pass	Pass
Acid resistance	0.1N H ₂ SO ₄ , 5cc, 25°C × 24h	Pass	Pass	Pass
Alkali resistance	0.1N NaOH, 5cc, 55°C × 4h	Pass	Pass	Pass
Gasoline resistance	Regular gasoline, 30min,immersion	Pass	Pass	Pass
Heat resistance	Peeling of 1mm cross-cut adhesion tape after 85°C × 96h	100/100	100/100	100/100
Humidity resistance	Peeling of 1mm cross-cut adhesion tape after 50°C × 98%RH × 120h	100/100	100/100	100/100
Heat cycle resistance	Peeling of 1mm cross-cut adhesion tape -20°C × 3h ↔ 60°C × 3h, 10cycle	100/100	100/100	100/100
Weatherability	SWOM, 300h, ΔE=1.0 less than	Pass	Pass	Pass
Painting condition	Material ABS, A1050P, SUS-304 787- ULTIPA-WORLD Silver Paint:Hardener(Z-787-10B) : Thinner(Z-27885)=10:1:10(by weight) Flash off 25°C × 5min Baking 80°C × 30min(Seven days before examination start) Dry film 15±1 μm			

※The listed property value is not value of standard by our test result.
Please adopt it after examining it enough

November, 2013 JRD-787-V.E1.1