

UV-700 Under Product Manual

(UV curable undercoat)

Applicable material: ABS / PC

Main application: Base paint for decorative goods

Features: Thin coating

Resin-based: Acrylic-based resin



Painting specifications

Item		Evaluation criteria
Coating method		Spray painting with undiluted solution
Recommended film thickness		13 ± 3 μm
Viscosity		8.5 seconds (at 20 °C IWATAcupNK-2) ± 2 seconds
Proper thinner		TL-400
Drying conditions	Setting	30 seconds to 1 minute
	Temperature	80°C
	Time	5 minutes
UV irradiation	Lamp	High pressure mercury lamp 80w / cm
	Integrated light	1000mj/cm ²
	intensity	

Film performance

◇ Conditions for making test pieces

After UV-700 painting and curing, aluminum vapor deposition was performed, and top coat was painted and cured on it.

UVT-06 (ultraviolet curable paint) was used as the top coat.

Test items	Test condition	Material	Exterior	Adhesion
Initial	Appearance: Visual evaluation Adhesion: Go board cellophane test	ABS PC	Good	100/100
Moisture resistance	40°C 95% RH x 72 hours later Appearance evaluation and adhesion evaluation (go board adhesion test)	ABS PC	Good	○
Water Resistance	40°C x 24 hours later Appearance evaluation and adhesion evaluation (adhesion test)	PC	Good	○
Heat Resistance	120°C x 96 hours later Appearance evaluation and adhesion evaluation (adhesion test)	PC	Good	○

* The above test results are the results of our testing machine, we do not guarantee the coating film performance during use.

* Performance varies depending on the top coat used, so please inquire about the top coat before use.

* Cellophane tape: Evaluated using Nichiban (width 24 mm).

* Note: If the integrated light intensity is set high, the coating film performance may deteriorate.

- * Expiration date: 6 months from the date of manufacture (stored at 40°C or less)
- * Package: 15kg (For export, please contact us)

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