

UVT-06 Top Product Manual

(UV curable top coat)

Main application: For cosmetics and decorative goods

Features: High gloss, workability

Resin-based: Acrylic-based resin



Painting specification

Item		Evaluation criteria		
Coating method		Spray painting with undiluted solution		
Recommended film thickness		7 ± 3 μm		
Viscosity		8.5 seconds (at 20°C IWATAcupNK-2) ± 1 second		
Proper thinner		U-330	5-10%	Improved retarder / leveling
		TL-400	5-10%	Improved retarder / leveling
Drying conditions	Setting	1-3 minutes		
	Temperature	60°C		
	Time	5 minutes		
UV irradiation	Integrated light intensity	540mj/cm ²		
	Maximum illuminance	48mw/cm ²		

Film performance

◇ Conditions for making test pieces

UV-700 under was painted on the ABS material, and after curing, aluminum vapor deposition was performed, and UVT-06 top was painted and cured.

Test items	Test condition	Result
Pencil hardness	UVT-06 top is painted on the glass plate, Mitsubishi Uni JIS K-54008. 4. 2	4H
Adhesion	Nichiban cellophane tape test	100/100
Heat Resistance	Appearance evaluation after 60°C x 72H, checkered cellophane tape test	Appearance: Good Adhesion: 100/100
Moisture resistance	Appearance evaluation after 40°C 95% RH × 72H, grid cellophane tape test	
Water Resistant	Appearance evaluation after 40°C x 72H, checkered cellophane tape test	
Acid resistance	Appearance evaluation after immersion in 5% acetic acid solution x 24H	Appearance: Good
Alcohol resistance	Appearance evaluation after immersion in 50% ethanol solution x 72H	
	Appearance evaluation after immersion in 99.5% ethanol solution x 24H	
Salt resistance	Appearance evaluation after immersion in 5% aqueous salt solution x 72H	
Cold Resistance	Appearance evaluation after -40°C x 24H	

Sweat resistance	Appearance evaluation after soaking in artificial sweat x 24H	
Dye compatibility	After adding 20% of orange dye solution, appearance evaluation, cellophane tape test	Appearance: Good Adhesion: 100/100
Pigment compatibility	Paint: Pigment = 10: 1 combination for appearance evaluation, grid cellophane tape test(Pigment color: red / blue)	Appearance: Good Adhesion: 100/100

* For the material PC, under APJ-9531, PJ-0358, there is no problem in the test of heat resistance 120 °C × 96H, moisture resistance 50 °C 95% × 72H.

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

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

* Caution: The coating film performance may differ depending on the combination of coating specifications and the under-painting products for our reflector applications.

* Expiration date: 12 months from the date of manufacture (stored at 40 ° C or less)

* Package: 15kg (For export, please contact us)

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