

# UV-382 Top Product Manual

(UV top coat)

Main application: For decoration

Features: Excellent hardness, gloss and workability

Resin-based: Acrylic-based resin



## Painting specifications

Item		Evaluation criteria		
Coating method		Spray		
Recommended film thickness		8 ± 2 μm		
Proper thinner		TL-400	5-10%	Improved leveling
Pre-drying		60°C x 5 minutes		
UV irradiation	Lamp	High pressure mercury lamp 80W / cm		
	Integrated light intensity	680mj/cm <sup>2</sup>		

## Film performance

Test items	Test condition	Result
Pencil hardness	Painted on glass plate, Mitsubishi Uni JISK-54008.4.2	3H
Adhesion	Nichiban cellophane tape test	OK
Heat Resistance	Appearance evaluation after 60°C x 72H, cellophane tape test	Appearance: Good Adhesion: OK
Moisture resistance	Appearance evaluation after 40°C 95% RH × 72H, cellophane tape test	
Water Resistant	Appearance evaluation after 40°C x 72H, cellophane tape test	
Alcohol resistance	Appearance evaluation after immersion in 50% ethanol aqueous solution x 72H	Appearance: Good
Acid resistance	Appearance evaluation after immersion in 5% acetic acid solution x 24H	
Salt resistance	Appearance evaluation after immersion in 5% aqueous salt solution x 72H	
Cold Resistance	Appearance evaluation after immersion at -40°C for 24 hours	
Sweat resistance	Appearance evaluation after 24H immersion	
Dye Compatibility	After add 20% orange dye solution, cellophane tape test	Appearance: Good Adhesion: OK
Pigment Compatibility	Paint: Pigment = 10: 1 and go board cellophane tape (color: red, blue)	Appearance: Good Adhesion: OK

- \* 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: There is a possibility that the coating film performance may deteriorate when the coating specifications are combined with our under-finished products for 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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