

## **RT-48 Top Product Manual**

(Heat-drying top coat)

Main Application: Top coating for reflectors and decorations

Features: Workability

Resin-based: Acrylic-based resin



### **Painting specifications**

Item		Evaluation criteria		
Coating method		Spray painting with undiluted solution		
Recommended film thickness		5 ± 2 μm		
Viscosity		9.6 seconds (at 20 °C IWATAcupNK-2) ± 1 second		
Proper thinner		U-330	5-10%	Improved leveling
		TL-400	5-10%	Improved leveling
Drying conditions	Setting	1-5 minutes		
	Drying Temperature	60 ° C x 5 minutes		

### **Film performance**

◇ Conditions for making test pieces

UV-361 under was painted on the PC material, and after curing, aluminum vapor deposition was performed, and RT-48 top was painted and cured.

Test items	Test condition	Result
Adhesion	Cross-cut cellophane tape test	OK
Heat Resistance	Appearance evaluation after 120 °C x 96 hours, cross-cut cellophane tape test	Appearance: Good Adhesion: OK
Moisture resistance	Appearance evaluation after 50°C 95% RH × 48h, and cross-cut cellophane tape test	
Water Resistant	Appearance evaluation after 40 °C x 24 hours, and cross-cut cellophane tape test	
Acid resistance	Appearance evaluation after soaking in 1% aqueous sulfuric acid solution for 10 minutes	Appearance: Good
Salt resistance	Appearance evaluation after soaking in 3% aqueous salt solution x 10 minutes for 10 minutes	
Alkali resistance	Appearance evaluation after soaking in 1% KOH aqueous solution x 10 minutes	

\* The above test results are 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 with the under paint product for our reflector applications.

\* Expiration date: 12 months from the date of manufacture (storage condition : less than 40°C)

\* Package: 14kg (For export, please contact us)

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