

UV-361 Under Product Manual

(UV curable undercoat)

Available materials: PC, PET / PBT, ABS, ASA
 Main application: Under coating for lamp reflectors
 Features: Thick coating available
 Resin type: Acrylic / polyester-based resin



Painting specifications

Item		Evaluation criteria
Coating method		Spray painting with undiluted solution
Recommended film thickness		15 ± 3 μm
Viscosity		9.8 seconds (at 20 °C IWATAcupNK-2) ± 1 second
Proper thinner		U-330 5-10% Improved leveling / Weak solvent
		TL-400 5-10% Improved retarder / leveling
		Thinner drying property: Early drying U-330 > TL-400 Late drying
Drying conditions	Setting	30 seconds to 1 minute
	Temperature	75 ° C
	Time	3 minutes
UV irradiation	Lamp	High pressure mercury lamp 80w / cm
	Integrated light intensity	1000 ~ 2000m j / cm ²

Film performance

◇ Conditions for making test pieces

After UV-361 painting and curing, aluminum vapor deposition was performed, and top coating (RT-45) was painted and cured on it.

Test items	Test condition	Material	Exterior	Adhesion
Initial	Appearance: Visual evaluation Adhesion: Go board cellophane test	PC, PET / PBT, ABS, Asa	Good	100/100
Heat Resistance	For each material, right temperature condition x 24 hours later Appearance evaluation and adhesion evaluation	PC : 120°C PET/PBT : 170°C ABS : 80°C ASA: 90°C	Good	100/100
Water Resistance	After 40 ° C x 24 hours Appearance evaluation and adhesion evaluation	PC, Pet / PBT, A BS, Asa	Good	100/100
Moisture resistance	After 50 ° C, 98% RH x 240h Appearance evaluation and adhesion evaluation	PC, Pet / PBT, A BS, Asa	Good	100/100

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

* Please contact us if you want to use another top coat other.

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

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

* Expiration date: 6 months from the date of manufacture (storage condition than less)

* Package: 15kg

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