BP-50 under Product manual

東洋工業塗料株式会社
TOYO KOGYO TORYO CO.,LTD.

Available material : ADC Zinc Plating
Electrodeposited iron plate
Curing condition : Heat drying
Main application : Under coating for reflective mirror
Feature : High heat resistance thick coating available
Resin type : Polybutadiene

Coating application

Item		Evaluation criteria		
How to paint		Spray		
Dry film thickness		25±5μm		
Paint viscosity		25seconds (at20℃ IWATAcupNK-2) ±3seconds		
Proper thinner		U-100	5 ～ 10 %	Available to coat more thin
Dry condition	Temperature	180℃		
	Time	30 minutes		

Performance
◇Following test preparation condition
BP-50 coating, after that dry heating(180℃×30minutes)
After vacuum deposition Aluminum, test heat resistance
Test water resistance and thermal cycling by only BP-50

Test item	Test condition	Material	Appearance	Adhesion
Initial	Appearance evaluation	SPCC-SB	Passed	100/100
Heat resistance	180℃ × 24H Visually and adhesion evaluation	SPCC-SB	Passed	100/100
Water resistance	40℃ × 24H Visually and adhesion evaluation	SPCC-SB	Passed	100/100
Thermal cycling	(80℃×15.5h ⇔ -30℃×7.5h) × 4cycling Visually and adhesion evaluation	SPCC-SB	Passed	100/100

※The above test results are the evaluation of our testing machine, we do not guarantee the coating film performance during use.
※Performance is depending on the top coat, please confirm kind of top coat before use.
※Scotch tape : Adhesion test used by NICHIBAN (wide:24mm)
※Expiration date : 6 months from manufacture (storage condition : less than 40℃)
※Packing size : 15KG (In case of export : consultation required)

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