

PLP-103 Product manual

(One coat reflective paint)

Available material : ABS

Main application : Ornaments

Feature : A mirror-like appearance can be obtained with one coat.

Resin type : Cellulose resin



Coating application

Item	Evaluation criteria
How to paint	Paint Gun : Anest Iwata W-101 (Caliber 1.0mm) Painting Pressure : 0.25 ~ 0.27 Mpa Paint gun aperture : Open 1.25 turns from fully closed Painting pattern : Fully open Painting Distance : 15 ~ 20cm Perform 6 to 8 pass painting
Recommend thickness	1 ~ 2 μm
Dry condition	Normal temperature setting × 5 minutes ⇒ 60 ~ 80°C × 30 ~ 60 minutes A mirror appearance is obtained by normal temperature setting. The better the drying of PLP-103 gives good gear.

Since this paint precipitates the metal pigment, the paint can is carefully stirred and the metal pigment is dispersed before use.

Coating performance

◇Test pieces condition

PLP-103 is painted on ABS material and evaluated by the one that paints WT-12 (80°C × 30 minutes)

Test item	Test condition	Result
Initial	Appearance : Visual evaluation Adhesion : Crosscut Cello Tape test	Appearance : good Adhesion : Pass
Pencil hardness	JIS K5600 Mitsubishi Uni	F
Water resistant	40°C × 96 hours immersion	Appearance : Not change Adhesion : Pass
Moisture resistant	40°C 95% Atmosphere × 96 hours	Appearance : Not change Adhesion : Pass
Heat resistant	80°C Atmosphere × 96 hours	Appearance : Not change Adhesion : Pass
Salt resistant	5% Salt solution 20°C × 24 hours immersion	Appearance : Not change
Acid resistant	5% acetic acid solution 20°C × 3 hours immersion	Appearance : Not change
Alkali resistant	5% sodium carbonate solution 20°C × 24 hours immersion	Appearance : Not change
Alcohol resistant	99.9% Isopropanol 20°C × 1 hours immersion	Appearance : Not change
Alcohol rubbing	99.9% Methanol 11outfuff 500g Load 20 round-trip	Appearance : Not change
	99.9% Methanol 11outfuff 200g Load 100 round-trip	Appearance : Not change

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

※Expiration date : under investigation

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