

PLATOP 500

TYPE	1 component Acrylic plastic coating
CHARACTERISTICS	1. Fast drying with excellent adhesion on various plastic parts 2. Good water resistance and outdoor durability 3. Good appearance 4. Good abrasion and scratch resistance 5. Good resistance to alcohols
SUITABLE MATERIALS	PS, HIPS, ABS, PC/ABS
USES	Consumer electronic casing such as TV, Audio, VCR, DVD, Computer, and other electronic products
APPLICATION SPECIFICATIONS	
Methods of application	Manual or auto air spray
Paint dilution	100 % ~ 110% by weight
Thinner	Platop Thinner
Viscosity	9 ~ 11 seconds (NK-2 Cup)
Spray gun nozzle	1.0 ~ 1.5 mm Ø
Spray pressure	0.3 ~ 0.5 MPa (3 ~ 5 kg/cm ²)
Drying Time	60°C x 20 minutes
Dry film thickness	10 ~ 15 µm
Remarks:	
<ol style="list-style-type: none">1. Stains on application surface such as oil will affect the adhesion, please de-grease the substrates adequately.2. The wiping solvent may damage the substrate according to the condition of the plastic. Please check carefully before use.3. Stir paint thoroughly until uniform before using., and ensure paint is stirred continuously even during application4. If the diluted paint needs to be stored over night, please ensure it is properly dispersed before using.5. At high humidity where blushing is likely to occur, add small amount of Platop Non-Blushing Thinner.6. The film thickness is very important for the property. It needs to be kept as indicated.7. The above is only a recommended specs, coater has to do own adjustment and study the best condition to achieve good paint film appearance.	



Film Performance

Paint : PLATOP 500 Black

Materials : PS (Test conducted after 72hrs of post drying at room temperature)

Type of Test	Test Method	Specifications	Results
Cross-cut test	1 mm cross-cut (10 x 10) , Nichiban tape test	100/100	Passed
Pencil hardness test	Mitsubishi Uni. Pencil	≥ F	F – H
Alcohol resistance test	95% Ethanol x 4.9N (0.5kg f) x 50 cycles	50 cycles	Passed
Humidity resistance test	40°C x 95%RH x 120hrs	No abnormality	Passed
Heat resistance test	60°C x 120hrs	No abnormality	Passed
Temperature cycle test	(-20°C x 3hrs + 60°C x 3hrs) x 10 cycles	No abnormality	Passed
Non-adhesive test	Expandable polyethylene sheet 4.9N (0.5kg f) x 50°C x 48hrs	No abnormality	Passed
Abrasion test	RCA tester	> 20 cycles	Passed
Accelerated weathering test	SWOM x 200 hrs	ΔE (color change) < 1.0 Gloss retention > 90%	Passed

The information contained in this data is based on our experience and laboratory tests and true to the best of our knowledge. However, no warranty, express or implied, arising out of the use of our product is given as the conditions of use are beyond the control of manufacturers of this product. Customers are advised to carry out their own tests to judge the suitability of our product for the recommended applications

This product is licensed from Ohashi Chemicals Industries Ltd.

Revised on 9th January 2008