

PLATOP 460 R.F MATTE CLEAR

TYPE	2-component polyurethane coating base on polyester polyol and polyisocyanate
CHARACTERISTICS	1. Soft rubber-like, smooth feeling 2. High flexibility 3. Mar and scratch resistant 4. Excellent durability
SUITABLE MATERIALS	PC, ABS
HARDENER	PLATOP 460 HARDENER IP60
APPLICATION SPECIFICATIONS	
Methods of application	Manual or auto air spray
Hardener	PLATOP 460 HARDENER IP60
Thinner	PLATOP THINNER (N.E.C) FAST
Mixing ratio	Base : Hardener = 5 : 1 (Weight ratio)
Viscosity	10 ~ 15 seconds (NK-2 Cup)
Spray gun nozzle	1.2 ~ 1.5 mm \varnothing
Spray air pressure	0.2 ~ 0.4 MPa (2 ~ 4 kg/cm ²)
Drying condition	80°C x 60 minutes
Dry film thickness	30 μ m or above
Over coating interval	Not recommended

Remarks:

1. Stains on application surface such as oil will affect the adhesion., please clean substrates adequately.
2. Stir base paint thoroughly until uniform before using, and ensure paint is stirred continuously even during application.
3. Base / Hardener mixing ratio must be weighed accurately.
4. As this paint is 2-pack type, curing reaction start gradually after mixing with hardener, please use up the mixed paint within the pot life. Higher ambient temperature and higher initial viscosity might shorten the pot life.
5. Hardener shall be sealed tightly and kept in cool and dark place due to its reactivity with moisture.
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 460 R.F MATTE CLEAR

Materials : ABS

Force Dry at 80°C X 60min, test after post drying (at room temp) for 72 hrs

Test Item	Test Method	Specifications	Results
Adhesion	Tape adhesion under 100 mesh cut by 1mm	100/100	Passed
Pencil hardness	Mitsubishi uni	H	Passed
Abrasion test	R.C.A tester	180 cycles	Passed
Alcohol rub test	80% Ethanol x 500g x 25 cycles	No exposure of substrate	Passed
Environmental cycle test	(-20°C x 1 hr + 70°C x 1hr) x 10 cycles, tape test	No paint peel off	Passed
Water immersion	Immerse at room temp x 24 hrs, tape test	No paint peel off	Passed
Humidity test	95% Relative Humidity x 40°C x 72 hrs,	No abnormality	Passed

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