

Application of Metalized finishes

Goal: To apply a metalized finish to scale model plastic parts so that they appear to be metal not plastic parts.

Some notes about metalized finishes and any prerequisites.

- A.** All surfaces must be clean and smooth, free of any blemishes or scratches.
- B.** Metalizer paints used should be a lacquer base such as Alclad2 or Model master metalized paints
- C.** A Air brush is a must to apply these paints.
- D.** Test Test Test using plastic spoons to get used to the application of metalized paints.

Tools Needed:

Air Brush

Alclad2 or Model master metalized paints

Gloss Black or Gloss White paint (Emamel or Lacquer)

- 1.) Once all parts are primed and ready apply a coat of Black Gloss paint. If you do not have a gloss base coat the Metal finish will be dull. To achieve a different shade you can use a White Gloss base coat.
- 2.) After Gloss Black has cured apply several THIN coats of Alclad2. Take your time and build up to the desired finish. The lacquer paint will dry quickly so no excessive time between coats is needed. (10 Min)
- 3.) For aircraft you can mask of panels to apply different shades to get a desired affect. Allclad2 will not rub off! But use caution and try not to handle the parts too much.
- 4.) Model masters has a buff able metalized line of paints. These will need a sealer. As stated earlier do some testing before you apply this or any other new product to your model.

Reference:

Allclad2

Good reading <http://www.swannysmodels.com/Alclad.html>

http://www.modelersite.com/Jun2002/English/Alclad2_Eng.htm

Model master testors Metalizer paints

http://www.testors.com/category/145620/Metalizer_Enamel_Paint

ALCLAD II Lacquers will reproduce a wide range of realistic and durable metal finishes on aircraft, car and truck models, armour and figures. The Prismatic colours can be used to create unique customized cars, trucks and radio controlled cars.

ALCLAD II's wide range of uses make it the perfect finish for injected polystyrene kits and polycarbonate/lexan bodies.

APPLICATION GUIDE-PLASTIC MODELS:

For use on injection plastic kits a primer is necessary. 'Regular ALCLAD' is similar in strength to lacquer/cellulose car paints-injected polystyrene plastics frequently have areas which ALCLAD can craze. High-Shine ALCLAD finishes require a glossy base coat.

REGULAR ALCLAD FINISHES

ALC-101 ALUMINIUM

ALC-102 DURALUMINIUM

ALC-103 DARK ALUMINIUM

ALC-104 PALE BURNT METAL

ALC-106 WHITE ALUMINIUM

ALC-108 PALE GOLD

ALC-110 COPPER

ALC-111 MAGNESIUM

ALC-112 STEEL

ALC-113 JET EXHAUST

ALC-116 SEMI MATTE ALUMINIUM

ALC-117 DULL ALUMINIUM

ALC-120 GUN METAL

ALC-121 BURNT IRON

ALC-123 EXHAUST MANIFOLD **Apply one of these primers before using Regular ALCLAD:**

ALCLAD GREY PRIMER ALC-302 Tamiya or Gunze Sangyo plastic primers Auto Primer-white or grey Plastic primers and auto primers should be lightly polished with 1000/1200 wet & dry paper to give a less absorbent smooth surface .

HIGH SHINE ALCLAD FINISHES

ALC-105 POLISHED ALUMINIUM

ALC-107 CHROME FOR PLASTIC

ALC-109 POLISHED BRASS

ALC-114 CHROME FOR LEXAN

ALC-115 STAINLESS STEEL

ALC-118 GOLD TITANIUM

ALC-119 AIRFRAME ALUMINIUM

ALC-122 MIRRORED GOLD FOR LEXAN

Apply one of these primers before using High Shine ALCLAD:

ALCLAD GLOSS BLACK BASE ALC-304/305

ALCLAD CLEAR BASE ALC-303

(Other hobby enamel paints are suitable-it is advisable to conduct a test on scrap plastic)

PREPARATION AND SPRAYING

The surfaces to be painted must be thoroughly clean and free from dust, grease, oil and finger marks.

Apply the correct primer for the type of Alclad being used.

ALCLAD should be sprayed at 12-15psi. Spray from a distance of 2-3 inches from the surface being painted using a narrow to medium width spray fan. Use the airbrush like a paint brush-aim to cover the model in a methodical manner.

Buffing is not necessary-tonal variation can be made by polishing selected