Panels & Dials

Available in thicknesses to .125"
In matte, satin or #4 brushed finish
Resists most chemicals and solvents



Data Plates/Schematics

Ideal for detailed schematics or data plates Resistant to abrasion, heat and corrosion



Bar Code Labels

Meets UID requirements of MIL-STD-130 Labels won't fade, scratch or delaminate



Shipboard Markings

Metalphoto was first used in 1958
Recent Navy study: "Metalphoto label plates provide the highest degree of performance."



Torture This!

Metalphoto anodized aluminum nameplates and panels are practically indestructible. Graphics are permanently embedded in the aluminum and are resistant to the following harsh conditions:

Extreme ultraviolet exposure

Temperatures exceeding 700°

Salt spray

Gasoline, jet fuels, hydraulic fluids, chemicals and solvents

Abrasion

Call us today at



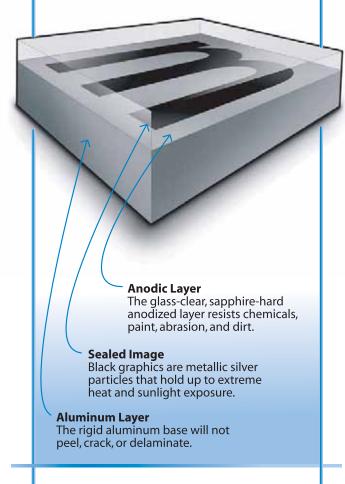
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Metalphoto will measure up to your toughest requirements.

Specify metalphoto[®]

Metalphoto is the preferred material for nameplates, control panels and bar codes in applications where service life expectations exceed 20 years for the part. Government & aerospace extensively specify Metalphoto for demanding applications that require resistance to the effects of weather, abrasion, heat and most chemicals. The following performance requirements are taken from reference documents, in which Metalphoto is used and specified, in order to demonstrate the unique durability of the product.



Permanent Metal Markings for Bar Codes, Data Plates, Control Panels and Foil Labels

20 Years Outdoor Durable Resistant to Sunlight, Wind, Water and Saltwater Withstands Chemicals, Fire, Rust and Abrasion

Industry Specifications & Studies

BF Goodrich Aerospace

Data Systems Division Specification SMT0022

Boeing Commercial Aircraft Company

Boeing Process Specification BAC5875 Fabrication of Aluminum Markers, Instrument Panels, Drawer Front Panels and Fabrication of Metal and Plastic Appliques

Honeywell, Inc.

Satellite Systems Operations Metalphoto approved for use on Space Station Memorandum A3-J024-M-9501786 Laboratory Case 161311

Norwegian Marine Technology

Research Institute (Marintek) Corrosion test of anodized aluminum plates 23.1011.00.0391

SAE Technical Paper Series 2000-01-2437

Special requirements for Crew Interface Labels on the International Space Station Stephen Gray & Fernando Ramos - Boeing

UL & CSA

Canadian Standard Association (CSA)

File 11133-1, Class 7991

Underwriter Laboratories

Marking and Labeling Systems PGDQ2 Marking and Labeling System Material Component PGGU2.MH26206

U.S. Government Specifications & Studies

Department of Defense

Commercial Item Description A-A-50271 Class 2- Composition C

Department of Defense

MIL-A-8625F

Anodic Coatings for Aluminum & Aluminum Allovs

Type II Class 1 (unprocessed or clear)
Class 2 (processed)

Departments of Defense

MIL-STD-13231 Standard Practice Marking of Electronic Items

Department of Defense

MIL-DTL-15024F Identification of Equipment Type G - Foil - Type H - Plate

Department of Defense

MIL-STD-130L Identification Marking of U.S. Military Property

Department of Defense

MIL-P-19834B General Specification for Plates Identification or Instruction, Metal Foil, Adhesive Backed

Department of Navy

Laboratory evaluation of label plate materials and attachment methods considered for use on LPD-17 CARDIVNSWC-TR-62-00-05 June 2000

NASA, Johnson Space Center Texas

Space Station Inventory Label Specification - SSP 50007

United State Federal Government

Federal Specification GGP-455B(3) Type I (Grade A&B) Class 1 or 2

metalphoto Performance Characteristics

Characteristic	Result
Abrasion Resistance	No pronounced image loss, degradation, or reduced readability after 7000 cycles of an abrading wheel.
Acid Corrosion	No deterioration or image degradation after 24 hours in 3% nitric acid.
Heat Resistance	No legibility loss or degradation when subjected to 1000°F.
Salt Spray Corrosion	No deleterious effect after a 720-hour salt spray (fog) test. 2,6 "Very good" corrosion resistance after 113 days seawater exposure.
Accelerated Light and Weather Resistance	No pronounced deterioration of legibility after 400-hour carbon arc weatherometer exposure.
Accelerated Oxygen Aging	No discoloration or fading after 96hour/300 psi/70°C oxygen bomb aging.
Stain Resistance	No black fading when plates are exposed to tincture of iodine
Cleaning Resistance	No deleterious effects when tested with alkaline cleaners (MIL C-87937 or equivalent) for aircraft surfaces.
Low Temperature Resistance	No deleterious effect or image fade after 1 hour at -50°F. No impairment of legibility upon exposure at -67°F.
Organic Solvent Resistance	No softening, staining, or noticeable fade after 24-hour exposure to: JP-4 fuel, Gasoline, Mineral spirits, Methyl ethyl ketone, Turpentine, Turbine & jet fuel, Kerosene, Xylol, Acetone, Toluol, Heptane, Trichlorethylene, MIL- H-5606 hydraulic fluid, and MIL-L-7808 jet engine oil
Fungus Resistance	Visual reading of "0" per ASTM-G21.
Thermal Shock	No deterioration after 3 cycles between -65°C and 125°C.
Moisture Resistance	No deterioration after 10 humidity cycles per MIL-STD-202, method 106.

metalphoto[®] is specified & used by

























...and many more companies, large and small