

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

TRS Tacoma Rubber Stamp & Marking Systems established 1912

919 Market St. Tacoma, WA 98402 P.O. BOX 1398 Tacoma, WA 98401
www.tacomarubberstamp.com • 253-383-5433 • Fax: 253-383-0649

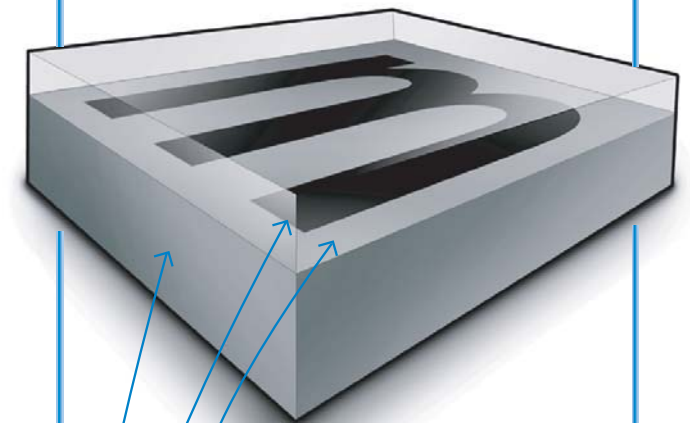


Authorized Label Supplier LP2983

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.



Anodic Layer
The glass-clear, sapphire-hard anodized layer resists chemicals, paint, abrasion, and dirt.

Sealed Image
Black graphics are metallic silver particles that hold up to extreme heat and sunlight exposure.

Aluminum Layer
The rigid aluminum base will not peel, crack, or delaminate.

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

metalphoto®
is specified & used by

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
 Alloys
 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.



*...and many more companies,
 large and small*