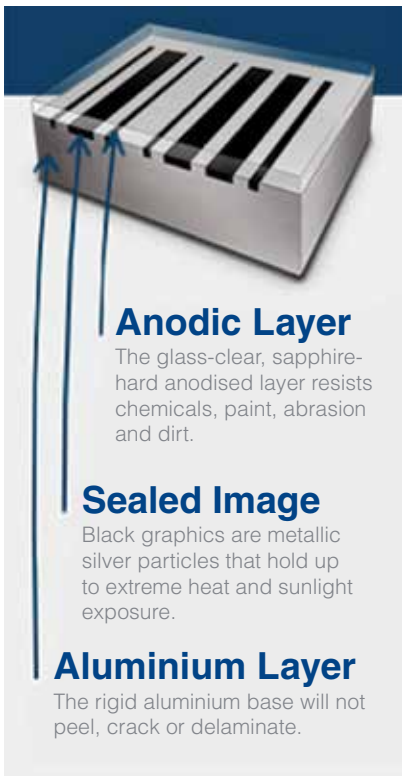


MetalPhoto® Photosensitive Anodised Aluminium

www.bradyeurope.com

Permanent Identification Solutions



Exceptionally durable. Long-lasting. Always readable.

MetalPhoto® is the leading material for durable, long-lasting barcode labels, asset tags and variable information plates. Made of photosensitive anodised aluminium, these reliable custom tags and labels are designed to work with your specific asset tracking system and remain readable for more than 30-years outdoors.

- **Exceptionally durable** - Sealed within the anodic layer, the image is resistant to abrasion, intense temperatures, UV exposure, chemicals and solvents
- **Improves accuracy** - Eliminates errors caused by manual data collection and offers a more precise image compared to engraving
- **Widely specified** - Meets an array of commercial, government and military specifications, including GGP-445B, CSA 111331, File 7921, MIL-STD-130N, MIL-A-8625F and MIL-DTL-15024F
- **How to order** - Please contact us to receive a custom quote or to receive samples.

Applications:

- UID barcode labels
- Maintenance labels
- Streetlight pole asset ID tags
- Operational control panels
- Machine panel fronts
- Nameplates
- Interior/exterior signage
- Long-term asset tags
- Maintenance schematics
- Equipment labels

Standard custom offerings:

- 5-mil matte ¾" x 1.5" label with pressure sensitive adhesive
- 20-mil matte 2" x 6" tag
- 20-mil matte 2" x 8" tag
- Other custom sizes and thicknesses available

We also offer custom tags or labels with any of the following components:

- Barcodes
- 2D codes
- Company logos
- Contact information
- And more!

MetalPhoto® Photosensitive Anodised Aluminium



metalphoto®

Durability characteristics

Specification Characteristic	Test Condition	Effect
Exterior Exposure	Black and silver image exceeds 400 hr. Weatherometer. Test GG-P-455b, estimated equivalent to 20 yr. exposure	No Effect
Abrasion Resistance	Taber Abraser with CS17 wheel, a total, of 1000 gm. load, 7000 cycles	Slight dulling of surface
Temperature Resistance		343°C
Salt Spray	5% at 35°C for 700 hrs.	No Corrosion
Chemical Resistance		
MIL-S-3136 1 111 Hydrocarbon Fluid	1 hr. immersion	No Effect
MIL-L-5161C-Turbine and jet engine fuel	1 hr. immersion	No Effect
JP-4 Fuel	72 hr. immersion	No Effect
Kerosene	12 hr. immersion	No Effect
Skydrol (Hydraulic Fluid)	24 hr. immersion, at both room temperature and boiling point	No Effect
Methyl Ethyl Ketone (MEK)	24 hr. immersion	No Effect
Ethyl Acetate	24 hr. immersion	No Effect
Xylol	24 hr. immersion	No Effect
Heptane	24 hr. immersion	No Effect
Ethyl Alcohol	72 hr. immersion	No Effect
Ferric Chloride	10% solution, 16 hr. immersion	No Effect
Ammonium Hydroxide	10% solution, 16 hr. immersion	Slight dulling
MIL-P-21563 soap solution	16 hr. immersion	No Effect
MIL-C-25179 AIN in heptane	25% solution, 1 min. immersion (cleaning solution)	No Effect
Sulfuric Acid	10% solution, 24 hr. immersion	No Effect
Phosphoric Acid	1% solution, 12 hr. immersion	No Effect
Nitric Acid	3% solution, 72 hr. immersion	No Effect
TSP (Trisodium Phosphate)	1% solution, 40 hr. immersion	No Effect
Sodium Hydroxide	1% solution, 1 hr. immersion	Not Recommended (surface attack)

Specification	Publication	Detail	Description
GG-P-455b	Federal Specification	Type I, Grade A or B Class 1 & 2	Photosensitive anodised aluminium impregnated with silver compounds printable on one or two sides - all finishes and thicknesses
MIL-P-15024D	Military Specification	Type H & G	Totally anodised aluminium with characters integrated into the anodized layer photographically using silver compounds
MIL-P-19834B	Military Specification	Type I or II, Style III or IV	Metalphoto .003" thick plates with the proper adhesive applied meets or exceeds all the performance requirements of this spec.
MIL-P-514D	Military Specification	Composition C	Photosensitive aluminium plates, grade and class as specified in federal specification GG-P-455b.
Industrial Commercial Products	Original Equipment Panel Fronts Nameplates	Metalphoto Products	Material shall be Metalphoto. Image (black on silver or silver on black shall be sealed into the anodised layer with photosensitive silver compounds: colours other than black may be imbedded by resist or screen process.

Brady EMEA Locations

Africa	+27 11 704 3295	Middle East	+971 4881 2524
Benelux	+32 (0) 52 45 78 11	Norway	+47 70 13 40 00
Central & Eastern Europe	+421 2 3300 4800	Romania	+40 21 202 3032
Denmark	+4566 14 44 00	Russia	+7 495 225 93 62
France	+33 (0) 3 20 76 94 48	Spain & Portugal	+34 900 902 993
Germany	+49 (0) 6103 7598 660	Sweden	+46 (0) 8 590 057 30
Hungary	+36 23 500 275	Turkey	+90 212 264 02 20
Italy	+39 02 26 00 00 22	UK & Ireland	+44 (0) 1295 228 288

© 2016 Brady Worldwide Inc. ALL RIGHTS RESERVED

Your Brady Distributor

www.bradyeurope.com

04/04/2016
EUR-M-822-EN