



1799, Mitis
 Chicoutimi (Quebec) G7K 1H3
 Tel. : (418) 549-2112
 Telc. : (418) 549-0943
 Internet : www.metalid.com
 Email : metalid@metalid.com

If you are tired of replacing worn-out nameplates, panel fronts and bar code labels... MÉTAL IDENTIFICATION is the answer !

MÉTAL IDENTIFICATION PLATES ARE PERMANENT.
 The only way to destroy the image is to destroy the metal itself. The image is sealed under an anodized, clear, sapphir-hard surface that protects it from scratching, fading, peeling and chipping. Processed plates are impervious to salt spray, moisture, solvents, lubricants, fungus, weathering, most corrosive atmospheres and extreme temperatures. Métal Identification plates meet all relevant Government and Military Specifications. Thickness range from 0.003" to 0.063".

MÉTAL IDENTIFICATION PLATES ARE PHOTOGRAPHICALLY SHARP. The Métal Identification process embeds sharp, clear images into anodized, photosensitive aluminium plates and foil in much the same way that a photograph is made. Métal Identification plates give the same precise definition and registration accuracy expected in a photograph, but the image is permanently embedded in the anodized aluminum's billions of pores.

Contact **MÉTAL IDENTIFICATION** today and discover why we have the only product you will want to identify with.





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Manufacturer Warranty

The identification plates manufactured and sold by **METAL IDENTIFICATION** according to the **METALPHOTO®** process are made from anodic photosensitive aluminum. This product is certified to remain readable the inscriptions on it despite of the environmental conditions and various uses. This certification however excludes any use in an environment that attack chemically the aluminum.

METAL IDENTIFICATION will replace, with its expenses, any plate become illegible, unless such deterioration caused by a non-certified use.

METAL IDENTIFICATION's obligation under the terms of the present warranty is limited to the replacement, at his factory, of any identification plate which have been ship back to him, at the expenses of the expeditor, and whose examination will confirm called upon deterioration or defect.

The present warranty is valid for twenty (20) years from the delivery date. For purposes of this warranty, the identification plates will not have, in no way, to be installed with opposition of any directive of **METAL IDENTIFICATION**.

The present warranty do not apply in the event of deterioration or accident coming from the negligence, just as for any damage caused by fire or another disaster.

The present warranty is complete and excludes any verbal or written representation or publication not reproduced in this text.

On request, **METAL IDENTIFICATION** will provide to the consumer the list of users for whom this product was certified and tested.

METALPHOTO®, DURABILITY CHARACTERISTICS

SPECIFIC CHARACTERISTIC	TEST CONDITION	EFFET
Exterior Exposure	Black & silver image exceeds 400 hour Weatherometer Test GG-P-455B, est. Equivalent to 20 years outdoor exposure	No effet
Abrasion Resistance	Taber Abraser with CS17 wheel, a total of 1000 gm load, 7000 cycles	Slight dulling
Temperature Resistance	Black & Silver image, intensified, 1000 °F Black & Silver image, standard, 750 °F	Slight dulling Slight duling
Salt Spray	5 % at 95 °F for 700 hours	No corrosion
Chemical Resistance		
MIL-S-3136 III Hydrocarbon Fluid	1 hour immersion	No effet
MIL-L-5161C Turbine/Jet Engine Fuel	1 hour immersion	No effet
JP-4 Fuel	72 hour immersion	No effet
Kerosene	12 hour immersion	No effet
Skydrol (Hydraulic Fluid)	24 hour immersion	No effet
Methyl Ethyl Ketone (MED)	24 hour immersion	No effet
Ethyl Acetate	24 hour immersion	No effet
Xylol	72 hour immersion	No effet
Heptane	72 hour immersion	No effet
Ethyl Alcohol	72 hour immersion	No effet
Ferric Chloride	10 %, solution, 16 hour immersion	No effet
Ammonium Hydroxide	10 %, solution, 16 hour immersion	Slight dulling
MIL-P-21563 Soap Solution	16 hour immersion	No effet
MIL-C-25179 AIN in Heptane	25 %, solution, 1 minute immersion	No effet
Sulfuric Acid	10 %, solution, 24 hour immersion	No effet
Phosphoric Acid	1 %, solution, 12 hour immersion	No effet
Nitric Acid	3 %, solution, 72 hour immersion	No effet
TSP (Trisodium Phosphate)	1 % solution, 40 hour immersion	No effet

METALPHOTO® PRODUCT SPECIFICATIONS

SPECIFICATION	PUBLICATION	DETAIL	DESCRIPTION
GG-P-455b	Federal Specification	Type 1, Grade A or B Classes 1 & 2	Photosensitive anodized aluminum impregnated with silver compounds printable on one or two sides-all finishes and thicknesses.
MIL-P-15024D	Military Specification	Type H & G	Totally anodized aluminum 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 of the performance requirements of this specification.
MIL-P-514D	Military Specification	Composition C	Photosensitive aluminum plates, grade and class as specified in federal specification GG-P-455b.
Industrial/Comm. Products	Original Equip. Panel Fronts, Nameplates	METALPHOTO Products	Material shall be METALPHOTO, Image (black and silver) shall be sealed into the anodized layer with photosensitive silver compounds; colours other than black may be imbedded by resist or screen process.



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ANODIZED ALUMINIUM BAR CODE LABELS

Allows long-lasting identification of pieces, materials and goods on aluminum plates, guaranteed for twenty years.

Uses :

- aluminum plants ;
- paper mills ;
- municipalities, schools administration ;
- engineering firms ;
- shops ;
- hospitals, laboratoires ;
- industrial rental equipment ;
- transformers, telephone posts, natural gas, fire services.

Features :

- aluminum base with black image ;
- thickness range from 0.003", 0.005", 0.008", 0.012, 0.020", 0.032, 0.063" ;
- extensive choice of accurate symbologies, code densities and dimensions exemple of 17 recognized symbologies... (39,25, CB, 128A, 128C, 93, EAN8, EAN13, F8, F13, 49, UPC, 16K) ;
- logo or graphic design may be included ;
- different choices of data numbering are available ;
- indoor and/or outdoor exposure durability guaranteed twenty years ;
- embedded under a clear anodized layer ;
- very resistant to scratches, decoloration, flaking, salt water, humidity, solvents, lubricants, mould, as well as temperature variations ;
- heat resistant up to 1000 degrees Fahrenheit ;
- customer specification can be received via, modem, fax or disk.

Fastening :

- mechanical method (screws, rivets, staples) ;
- self-adhesive backing ;
- magnetic backing.



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ANODIZED ALUMINIUM IDENTIFICATION PLATES

Made with METALPHOTO® products, these plates are heat resistant up to 750 degrees Fahrenheit. Indoor and/or outdoor exposure durability guaranteed twenty years.

Uses :

- security notices ;
- emergency exit plans ;
- information notices with logo and/or pictogram ;
- identification plates for animals ;
- posts, transformers, telephone equipment, and electrical power distribution system identification ;
- information notice for zoological gardens, parks, bike paths and snowmobile trails ;
- tools, equipment, and machinery identification ;
- business cards ;
- chemical products and other toxic products identification ;
- technical data plans.

Features :

- aluminium base with black image ;
- variety of different colors ;
- thickness range from 0.003", 0.005", 0.008", 0.012", 0.020", 0.032", 0.063".
- plate dimensions range from 1" x 1" to 24" x 40" ;
- indoor and/or outdoor exposure durability guaranteed twenty years ;
- embedded under a clear anodized layer ;
- very resistant to scratches, decoloration, flaking, salt water, humidity, solvents, lubricants, mould, as well as temperature variations.

Fastering :

- mechanical method (screws, rivets, staples) ;
- self-adhesive backing ;
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New product! METALUMS photoluminescent aluminum plates and METALUMS aerosol paint.

Métal Identification Inc. uses a new technique, the photoluminescence, to make the buildings safer. The photoluminescent products use a type of material that stores the light when it is exposed to the ambient light and redistributes it in blackout condition. These products can thus be used as emergency lighting to guide people during evacuation, in the event of electric breakdown or of disaster. They can also be used everywhere to see objects in the obscurity or quite simply for entertainment.

Features :

- **product completely manufactured in Quebec ;**
- **made from more than 95% quebecquer material ;**
- luminous output superior than competitors ;
- really cheap price ;
- manufacture on aluminum allowing infinite choices of sizes and shapes ;
- over 20 years lifespan ;
- without electric power ;
- maintenance free ;
- better resistance to chemical products, heat and mechanical forces ;
- great toughness ;
- high fastening possibilities ;
- can be custom or standard made ;
- adapted to varied marking needs : indication of the fire exits, the extinguishers, the staircases, the evacuation plans, etc.

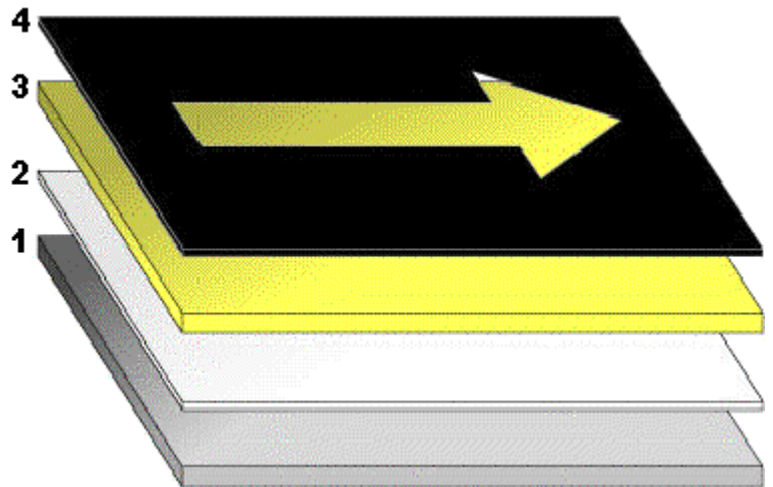


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The product :

Métal Identification Inc. produces photoluminescent aluminum plates. The surface, an aluminum plate covered with a white primer, is the support of the photoluminescent mixture composed of strontium aluminate and a transparent base. It is possible to add a pictogram or a text on the plate, at the request of the customer. The obtained product is robust and it can be use in the most hostile places.

1. Aluminum support
2. White primer
3. Photoluminescent layer
4. Pictogram



The other products :

Métal Identification Inc. produces also a photoluminescent spray can. The can is simply filled with the photoluminescent mixture, ready to be sprayed. There is nothing much to do but to use the paint like every other standard aerosol.

For other needs than emergency marking but using the same process, the business can offer a varied range of custom pictogram, logo, lettering or drawing manufactured for specific uses.



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The advantages :

Advantages compared to conventional electric signs

- Cheaper ;
- Electricity independent ;
- Energy saving ;
- Maintenance free ;
- Easier to see in dense smoke ;
- Lifespan more than 20 years.

Advantages compared to PVC photoluminescent plates

- Better toughness;
- Better heat resistance ;
- Additional attraction for aluminum.

Advantages compared to zinc sulfide photoluminescence

- More powerful luminescence ;
- Better duration of the luminescence.

In collaboration with those partners :



Centre d'entrepreneuriat et d'essaimage de l'Université du Québec à Chicoutimi,



Centre québécois de recherche et de développement de l'aluminium and



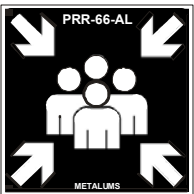
Bureau de développement industriel régional d'Alcan.



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METALUMS photoluminescent products

PICTOGRAMS



COLORS

- V** (GREEN)
- R** (RED)
- S** (SPECIAL)

SIZES

- 44 (4" X 4")
- 66 (6" X 6")
- 88 (8" X 8")
- 612 (6" X 12")
- SM (custom)

MATERIAL

- AL (Aluminum)
- PA (Spray paint)

LEGEND

- F (arrow)
- D (right)
- G (left)
- O (oblique)
- H (men) or (up)
- E (extinguisher)
- B (hose) or (down)
- PR (gathering point)
- P (paint)
- A (spray)
- TEL (red telephone)

FASTENING

- A (adhesive)
- T (hole)
- M (magnetic)

EXEMPLE: FOHDV-66-AL (arrow)+(oblique)+(up)+(right)+(green)+(6"x6")+(aluminum)