



Metalphoto of Cincinnati



### Sub-Surface Color on Metal

### No Peeling, Chipping or Scratching

UltraColor uses a digital process to print full-color images in anodized aluminum. The images are then sealed inside the metal, making them virtually impenetrable to abrasion, chemicals, moisture, humidity and salt water.

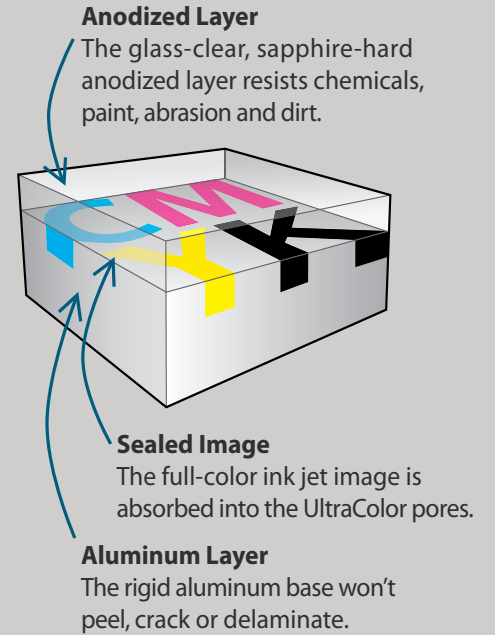
### UltraColor Benefits

<b>Durable</b>	Chemical and abrasion resistant, cleanable, water and graffiti proof.
<b>High Resolution</b>	High-resolution 1440 dpi full color images protected by a virtually impenetrable anodic layer.
<b>Variable Data</b>	Ideally suited where elements such as text, graphics and images change from one printed piece to the next.
<b>Design Flexibility</b>	Achieve half-tones and color gradations not possible with screen printing.

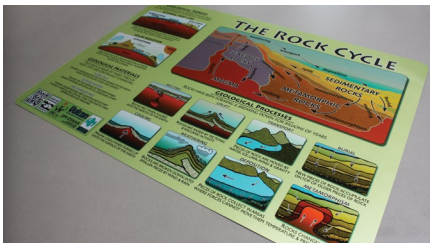
## Tough Performance with Resistance Against

- abrasion
- saltwater
- chemicals & solvents
- cleaning processes
- graffiti

## UltraColor Technology



www.mpofcinci.com/ultracolor.html



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## Durability Characteristics

UltraColor has an estimated outdoor life of 1-3 years, depending upon environmental conditions.

APPLICATION	TEST CONDITION	EFFECT
Outdoor Exposure	2,000 hrs of accelerated UV/weather with Q-Sun XE-3/HS* (1-3 years)	Slight dulling of image
Abrasion Exposure	7,000 cycles on a Taber Abraser, CS17 with 1Kg wheel load	Slight dulling of surface
Marine Exposure	5% at 95°F for 700hrs of salt fog exposure as per ASTM B117	No Effect
Corrosive/Chemical Exposure	24 hr immersion in MIL-STD-810G fluids	No Effect
High-Temperature Exposure	One hour in 500°F air over	Slight dulling of image

\* This chart is intended for general guidelines only. Users must test products in the specific environment anticipated. Metalphoto of Cincinnati does not warrant performance of its materials in any environment.

## Product Specifications

Material	Anodized aluminum
Thicknesses	.020", .030", .060" (0.5mm, 0.8mm, 1.5mm)
Finish	Satin
Size	Up to 24" x 36"

## Compare to Screen Printing

UltraColor is ideal for variable designs and information, and short production runs.

	ULTRACOLOR	SCREEN PRINTING
Variable Data Friendly?	✓	✗
Short Run & Prototype Friendly?	✓	✗
Full CMYK Color?	✓	✗
No Screen Changes?	✓	✗

**Need help?** Contact us now at **800.528.4058** to discuss your project.



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