MPC
Metalphoto of Cincinnati

ULTRACOLOR™

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.
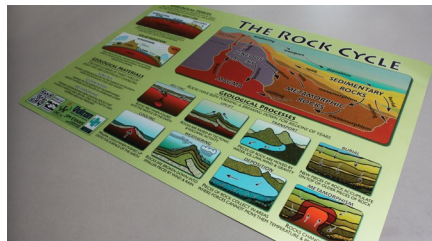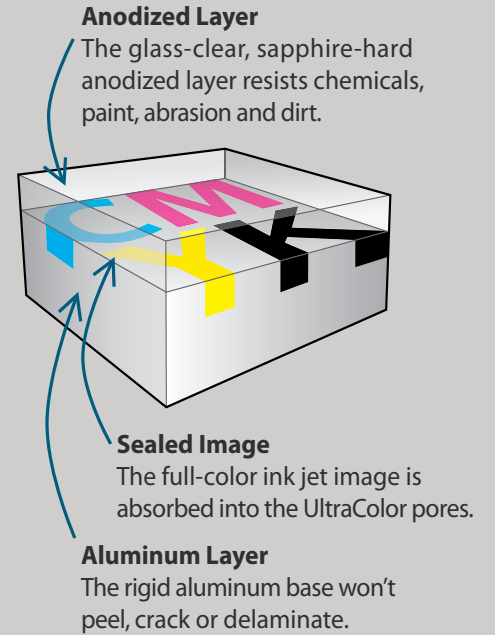
UltraColor Benefits

Durable	Chemical and abrasion resistant, cleanable, water and graffiti proof.
High Resolution	High-resolution 1440 dpi full color images protected by a virtually impenetrable anodic layer.
Variable Data	Ideally suited where elements such as text, graphics and images change from one printed piece to the next.
Design Flexibility	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

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

Sealed Image
The full-color ink jet image is absorbed into the UltraColor pores.

Aluminum Layer
The rigid aluminum base won't peel, crack or delaminate.

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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