



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.

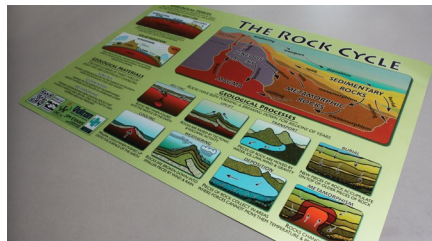
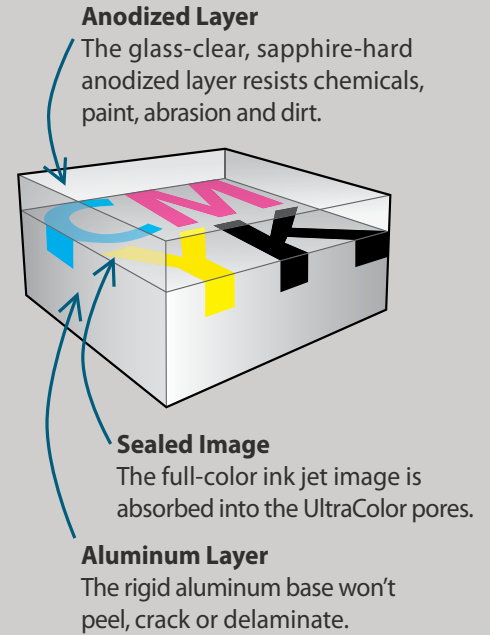
UltraColor Benefits

| | |
|---------------------------|--|
| 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



www.mpofcinci.com/ultracolor.html



1080 Skillman Drive
Cincinnati, OH 45215

Toll Free: 800.528.4058
Fax: 513.772.8306

www.mpofcinci.com
cincics@mpofcinci.com





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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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