



Metalphoto of Cincinnati

Signs

Solutions for Indoor and Long-Term Outdoor Applications

One size does not fit all. Your project requires a sign manufactured not only befitting the application, but for the environment it serves and your budget. MPC manufactures custom signs for architectural, recognition and industrial applications with proven outdoor durability for more than 20 years. Our metal and plastic sign solutions are tailored to your particular needs, adding value to your project.

MPC's Promise: Durable signs manufactured to provide years – even decades – of service.

Metalphoto of Cincinnati has been a leading full-service manufacturer of durable custom signs and other identification products for more than 50 years. Experience is our strength, providing the knowledge and capability to deliver the best solution for your product identification needs.

Because Durability Matters

Tough performance with resistance against:

- UV/sunlight exposure
- abrasion
- extreme temperatures
- weather
- saltwater
- chemicals & solvents
- cleaning processes
- graffiti

Specifications

- military
- aerospace
- many industry standards

Metal & Plastic

- Metalphoto® aluminum
- Sig-num Sign System
- anodized aluminum
- aluminum
- stainless steel
- brass
- flexible magnetic
- polycarbonate
- vinyl



www.mpofcinci.com/signs.html



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Your Material Choices Include:

Metalphoto is our most durable and widely used material. High-resolution graphics are sealed beneath a sapphire-hard anodic layer, providing superior resistance to UV, abrasion, cleaning solvents, most chemicals, and extreme temperatures. Service range is -40°F to +650°F. Proven outdoor durability of 20+ years.

Sig-num Sign System utilizes a **Metalphoto** marker with sturdy ABS plastic frames, stakes or hangers engineered to provide maximum strength with minimal disruption in the landscape scenery. Used for ground level identification, or placement on tree trunks, branches, or bushes.

Anodized Aluminum offers a built-in protective finish that provides exceptional abrasion resistance and durability against corrosion, extreme temperatures, chemicals and solvents. May be considered as an alternative to Metalphoto for certain applications where UV resistance is not a requirement.

Aluminum is lightweight, strong, and provides good corrosion resistance. Image durability is directly related to types of inks or color fills applied (epoxy, dye or pigment base). A protective coating is often applied for increased abrasion resistance.

Stainless Steel offers exceptional resistance to chemicals and corrosion. A dense metal preferred for highly caustic and acidic environments, which would otherwise attack aluminum. Image durability is directly related to types of inks or color fills applied (epoxy, dye or pigment base).

Brass provides excellent resistance to saltwater, corrosion and chemicals. Image durability is directly related to types of inks or color fills applied (epoxy, dye or pigment base). A protective coating may be applied to increase durability and resistance to tarnish.

Flexible Magnetic offers the unique feature to relocate, reposition or remove – again and again. Flexibility provides the ability to conform to curved and slightly irregular surfaces with moderate resistance to moisture, general purpose and household cleaners. Optional coatings will increase durability.

Polycarbonate possesses high mechanical strength and superior optical clarity with good heat, chemical, abrasion and impact resistance. This economical plastic is available in a variety of colors and easily die-cut. Graphics are printed on the second surface for maximum durability.

Vinyl provides superior pliability to easily conform to curved and irregular surfaces. With moderate resistance to abrasion, weather, chemicals and moisture, vinyl is more economical than polyester and polycarbonate. An optional coating will increase durability.

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

Material Selection Chart:

| RATING KEY | | PHYSICAL / ENVIRONMENTAL PROPERTIES | | | | | | | DESIGN CONSIDERATIONS | | | |
|--|---------------|-------------------------------------|--------------------|---------------------|---------------------|--------------------|-------|-------|------------------------------|-----------------------|-------------------------------|--------------------------------------|
| <ul style="list-style-type: none"> ● Excellent ● Very Good ● Good ● Fair ● Poor | Heat Max (°F) | Cold Max (°F) | Outdoor Durability | Abrasion Resistance | Chemical Resistance | | | | Color Printing Compatibility | Custom Color Matching | Textures Available | Range of Thicknesses Available (In.) |
| | | | | | Solvents | Fuel, Oil & Grease | Acids | Bases | | | | |
| Metalphoto® | 750° | -400° | ● | ● | ● | ● | ● | ● | Black/Silver Only | N/A | Gloss, Satin, Matte, #4 Brush | .003 - .125 |
| Metalphoto® with Anodized Printed Colors | 350° | -400° | ● | ● | ● | ● | ● | ● | Spot Color Only | Yes (Limited) | Gloss, Satin, Matte, #4 Brush | .003 - .125 |
| Anodized Aluminum | 350° | -400° | ● | ● | ● | ● | ● | ● | Spot Color Only | Yes (Limited) | Gloss, Satin, Matte, #4 Brush | .003 - .125 |
| Aluminum | 1000° | -140° | ● | ● | ● | ● | ● | ● | Spot Color Only | Yes | Gloss, Satin, Matte, #4 Brush | .003 - .125 |
| Stainless Steel | 1500° | -400° | ● | ● | ● | ● | ● | ● | Spot Color Only | Yes | Satin, #4 Brush | .014 - .120 |
| Brass | 1200° | -400° | ● | ● | ● | ● | ● | ● | Spot Color Only | Yes | Gloss, Satin | .014 - .062 |
| Polycarbonate | 270° | -211° | ● | ● | ● | ● | ● | ● | Full Color (CMYK) | Yes | Gloss, Matte, Velvet | .005 - .030 |
| Hard-Coated Polycarbonate | 270° | -211° | ● | ● | ● | ● | ● | ● | Full Color (CMYK) | Yes | Gloss, Non-Glare, Matte | .005 - .030 |
| Vinyl (PVC) | 140° | -40° | ● | ● | ● | ● | ● | ● | Full Color (CMYK) | Yes | Semi-Gloss, Matte | .002 - .004 |
| Flexible Magnetic | 140° | -40° | ● | ● | ● | ● | ● | ● | Full Color (CMYK) | Yes | Semi-Gloss | 0.024 |

* 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.

