Graphic Panel Overlays
Solutions That Last the Life of Your Equipment

One size does not fit all. Your project requires overlays manufactured not only for your equipment, but for the environment they serve and your budget. MPC can provide a metal or plastic solution tailored to your particular needs. Custom overlays are precision fabricated with a wide selection of features and attachment options, adding value to your project.

MPC's Promise: Durable overlays manufactured to last the life of your equipment.

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

Typically produced from thin-gauge aluminum (.003” to .032”) or plastic (.002” to .030”):

• Metalphoto® aluminum
• anodized aluminum
• polyester
• polycarbonate
• vinyl
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.

**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.

**Polyester** possesses high tensile strength with good resistance against heat, chemical, abrasion and tears. This economical plastic is available in a variety of colors and easily die-cut. Graphics are printed on the second surface for increased durability.

**Polycarbonate** offers 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. Optional coatings are available to increase durability.

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

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### Material Selection Chart:

<table>
<thead>
<tr>
<th>MATERIAL SELECTION</th>
<th>PHYSICAL / ENVIRONMENTAL PROPERTIES</th>
<th>DESIGN CONSIDERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RATING KEY</strong></td>
<td>Heat Max. (°F)</td>
<td>Cold Max. (°F)</td>
</tr>
<tr>
<td>Metalphoto</td>
<td>750°</td>
<td>-400°</td>
</tr>
<tr>
<td>Metalphoto with Anodized Printed Colors</td>
<td>350°</td>
<td>-400°</td>
</tr>
<tr>
<td>Anodized Aluminum</td>
<td>350°</td>
<td>-400°</td>
</tr>
<tr>
<td>Polyester</td>
<td>140°</td>
<td>-40°</td>
</tr>
<tr>
<td>Polycarbonate</td>
<td>270°</td>
<td>-211°</td>
</tr>
<tr>
<td>Hard-Coated Polyester</td>
<td>140°</td>
<td>-40°</td>
</tr>
<tr>
<td>Hard-Coated Polycarbonate</td>
<td>270°</td>
<td>-211°</td>
</tr>
<tr>
<td>Vinyl (PVC)</td>
<td>140°</td>
<td>-40°</td>
</tr>
</tbody>
</table>

* 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.