MAPES PANEL DESIGN ALTERNATIVES

Available in all architectural finishes: Porcelain / Kynar / Anodized / Baked Enamel

MAPES-R Panels
Laminated glazing infill that improves energy efficiency, abuse resistance and design flexibility.
- For use in all major window and curtainwall systems
mapes.com/infill

MAPESSTOP
Fire resistant infill panels designed to meet local code requirements.
- Class A rated
- 15-30 minute fire rated
mapes.com/infill

MAPESOUND
Panels designed to improve the acoustical performance of window and curtainwall systems.
- STC up to 55
- Available in all architectural finishes
mapes.com/mapesound

MAPESHAPe
Formed edge panels improve energy efficiency and design options.
- Flush with frame glazing option
- Butt glazing
mapes.com/mapeshape

MAPESHIELD
Impact resistant infill panels designed for coastal or high security areas.
- Large and small missile impact rated
- Explosion and bullet-resistant glazing
mapes.com/mapeshield

MAPESPAN
Spandrel glass laminated into a unitized panel with an interior finish.
- Single source factory laminated
- Reduces field labor and fabrication
mapes.com/mapespan

CORELITE
Laminated infill panels with corrugated high density polyethylene substrates.
- Water resistant substrates
- Light weight
mapes.com/corelite

MAPES VENEER & GLAZING
Panels designed to replace standard glass for all glazing infill.
- Abuse resistant / unbreakable
- Fascia, soffit, wall facing applications
mapes.com/veneer

MAPES CUSTOM PANELS
Laminated panels for a custom application.
- Interior wall panels
- Cafeterias / kitchens / clean rooms
mapes.com/custom

MOLDINGS
1/4" and 1" moldings.
- Veneer applications
- Window replacement infill
mapes.com/moldings

R-VALUES: MAPES PANELS VS. INSULATED GLASS

WINDOW DETAIL
Typical Panel Installation
**Graffiti Resistance**
Because porcelain enamel is a vitreous glass finish that is fused to the base metal, it is nearly impervious to any graffiti and abuse. It can be cleaned to its original appearance simply and easily.

**Colorfast**
Porcelain is one of the most color-stable products ever developed. The color oxides become part of the finish and are fused to the base metal at temperatures in excess of 1,000 degrees F. That is why porcelain is known as the “permanent” finish.

**Color Matching**
Porcelain finishes can be formulated to match almost any project design. Mapes has 24 standard colors and an inhouse ability to match custom colors quickly and accurately.

**Aluminum and Steel**
Mapes porcelain panels are available in both textured aluminum and smooth steel surfaces. The unique textured porcelain on aluminum eliminates oil canning and will not rust or spall. Porcelain on smooth steel is also available for those applications where a ferrous product is required. Both finishes will not crack or craze when subjected to long-term harsh environments.

### Selection Guide

<table>
<thead>
<tr>
<th>Skins</th>
<th>Thickness</th>
<th>Texture</th>
<th>Standard Colors</th>
<th>Custom Colors</th>
<th>Available Widths</th>
<th>Finish Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porcelain on Aluminum</td>
<td>0.016</td>
<td>Embossed</td>
<td>24</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>25</td>
</tr>
<tr>
<td>Porcelain on Steel</td>
<td>0.014</td>
<td>Smooth</td>
<td>8</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>20</td>
</tr>
<tr>
<td>Standard .032 Kynar</td>
<td>0.032</td>
<td></td>
<td>18</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>20</td>
</tr>
<tr>
<td>Custom Kynar</td>
<td>0.036 - 0.125</td>
<td></td>
<td></td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>10</td>
</tr>
<tr>
<td>Spandrel Glass</td>
<td>0.25</td>
<td></td>
<td>8</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>5</td>
</tr>
<tr>
<td>Colorlume E</td>
<td>0.012</td>
<td></td>
<td>6</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>5</td>
</tr>
<tr>
<td>Colorlume S</td>
<td>0.022</td>
<td></td>
<td>2</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>5</td>
</tr>
<tr>
<td>.025 Clear Anodized (Coil)</td>
<td>0.025</td>
<td></td>
<td>1</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>.025 Bronze Anodized (Coil)</td>
<td>0.025</td>
<td></td>
<td>1</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>Class 1 Anodized</td>
<td>0.036 - 0.125</td>
<td></td>
<td></td>
<td></td>
<td>48&quot; 60&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substrates</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; Hardboard</td>
<td>0.125</td>
<td></td>
<td>MOST ECONOMICAL</td>
<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>3/16&quot; Hardboard</td>
<td>0.187</td>
<td></td>
<td>MOST ECONOMICAL</td>
<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>1/2&quot; Gypsum</td>
<td>0.5</td>
<td></td>
<td>FIRE RESISTANT</td>
<td></td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>Cement Board</td>
<td>4mm</td>
<td></td>
<td>WATER/IMPACT RESISTANT</td>
<td></td>
<td>48&quot; 60&quot;</td>
<td>25</td>
</tr>
<tr>
<td>Corelite (H.D.P.E.)</td>
<td>4mm</td>
<td></td>
<td>WATER RESISTANT</td>
<td></td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

### Lamination Warranty
<table>
<thead>
<tr>
<th>Cores</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2# Density Polystyrene</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isocyanurate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micore</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Consult the “Spec Builder” at mapes.com for complete details.
CREATE A CUSTOMIZED PANEL SPEC ONLINE.
www.mapes.com/panels/spec_builder/

MAPES COLOR OPTIONS

STANDARD PORCELAIN - EMBOSSED ALUMINUM
(CUSTOM COLOR MATCHING AVAILABLE)

COIL COATED KYNAR ON SMOOTH ALUMINUM

COLORLUME S
POLYESTER BAKED ENAMEL - SMOOTH ALUMINUM

COLORLUME E
POLYESTER BAKED ENAMEL - EMBOSSED ALUMINUM

PORCELAIN ON SMOOTH STEEL

Available through your favorite local glass and glazing dealer.
For a complete list of local manufacturer’s reps, visit mapes.com.