

mapes

ARCHITECTURAL PANELS

- Insulated Infill Spandrel Panels
- Impact, Sound, Water, and Fire Resistant Panels
- Insulated Spandrel Glass Composite Panels
- Insulated Formed Edge Panels
- Glazing Replacement Panels



Product Overview

Spandrel Panels

www.mapes.com

Mapes Panel Design Alternatives

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



MAPES-R® PANEL

Laminated glazing infill that improves energy efficiency, abuse resistance and design flexibility.

- For use in all major window and curtainwall systems

mapes.com/panels/infill

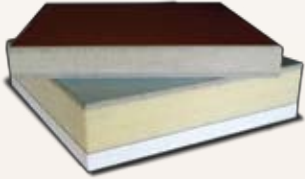


MAPESPAN®

Spandrel glass laminated into a unitized panel with an interior finish.

- Single source factory laminated
- Reduces field labor and fabrication

mapes.com/panels/mapespan



MAPESTOP®

Fire resistant infill panels designed to meet local code requirements.

- Class A rated
- 15-30 minute fire rated

mapes.com/panels/mapestop

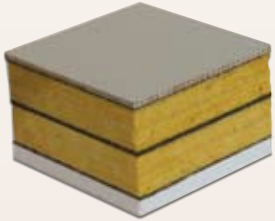


CORELITE®

Laminated infill panels with corrugated high density polyethylene substrates.

- Water resistant substrates
- Light weight

mapes.com/panels/corelite



MAPESOUND®

Panels designed to improve the acoustical performance of window and curtainwall systems.

- STC up to 55
- Available in all architectural finishes

mapes.com/panels/mapesound

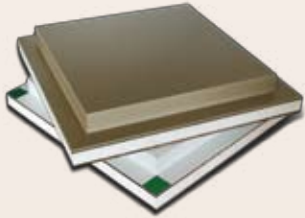


MAPES® VENEER & GLAZING

Panels designed to replace standard glass for all glazing infill.

- Abuse resistant / unbreakable
- Fascia, soffit, wall facing applications

mapes.com/panels/veneer

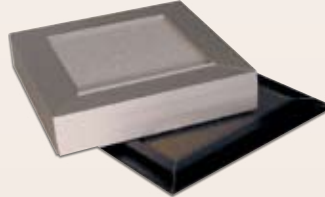


MAPESHape®

Formed edge panels improve energy efficiency and design options.

- Flush with frame glazing option
- Butt glazing

mapes.com/panels/mapeshape

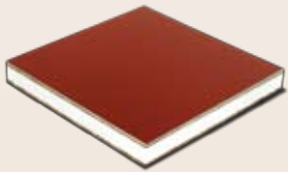


MAPES® CUSTOM PANELS

Laminated panels for a custom application.

- Interior wall panels
- Cafeterias / kitchens / clean rooms

mapes.com/panels/custom

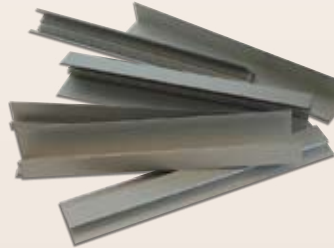


MAPESHIELD®

Impact resistant infill panels designed for coastal or high security areas.

- Large and small missile impact rated
- Explosion and bullet-resistant glazing

mapes.com/panels/mapeshield



MOLDINGS

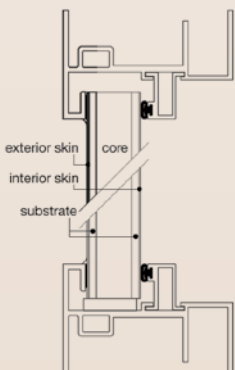
1/4" and 1" moldings.

- Veneer applications
- Window replacement infill

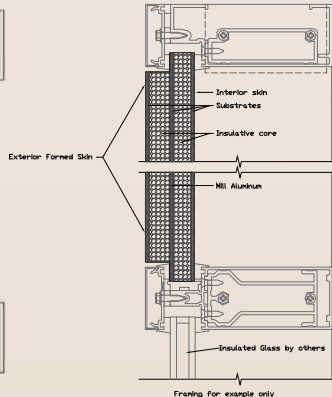
mapes.com/panels/moldings

Window Details For complete details, please visit mapes.com/panels.

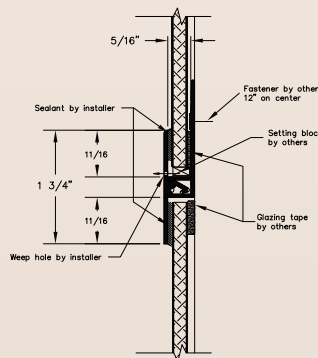
Typical Panel Installation



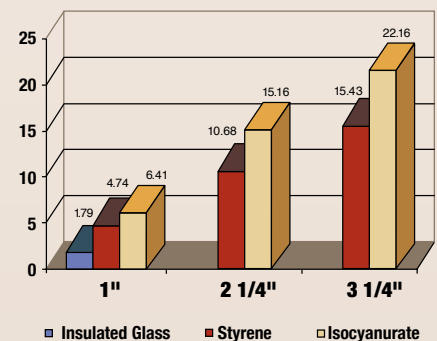
Formed Edge Glazing Detail



Veneer/Glazing Detail



R-Values: Mapes Panels vs. Insulated Glass



Porcelain

The lifetime finish for schools, hospitals, and high-traffic areas.

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

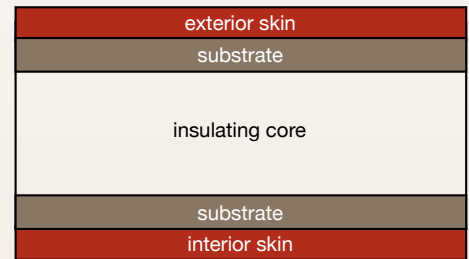
Porcelain is one of the most color-stable products ever developed. The color oxides become part of the finish and are fused to the base metal at temperatures in excess of 1,000 degrees F. That is why porcelain is known as the "permanent" finish.

COLOR MATCHING

Porcelain finishes can be formulated to match almost any project design. Mapes has 24 standard colors and an in-house 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

SKINS	THICKNESS	TEXTURE		STANDARD COLORS	CUSTOM COLORS	AVAILABLE WIDTHS		FINISH WARRANTY
		EMBOSSED	SMOOTH			48"	60"	
Porcelain on Aluminum	0.016	•		24	•	•	•	25
Porcelain on Steel	0.014		•	8	•	•	•	20
Standard .032 Kynar	0.032	•	•	18		•		20
Custom Kynar	0.036 - 0.125	•	•		•	•	•	10
Spandrel Glass	0.25		•	8	•	•	•	5
Colorlume E	0.012	•		6		•	•	5
Colorlume S	0.022		•	2		•	•	5
.025 Clear Anodized (Coil)	0.025		•	1		•		N/A
.025 Bronze Anodized (Coil)	0.025		•	1		•		N/A
Class 1 Anodized	0.036 - 0.125	•	•		•	•	•	

SUBSTRATES								LAMINATION WARRANTY
1/8" Hardboard	0.125	MOST ECONOMICAL				•	•	25
3/16" Hardboard	0.187	MOST ECONOMICAL				•	•	25
1/2" Gypsum	0.5	FIRE RESISTANT				•		25
Cement Board	4mm	WATER/IMPACT RESISTANT				•		25
Corelite (H.D.P.E.)	4mm	WATER RESISTANT				•	•	5

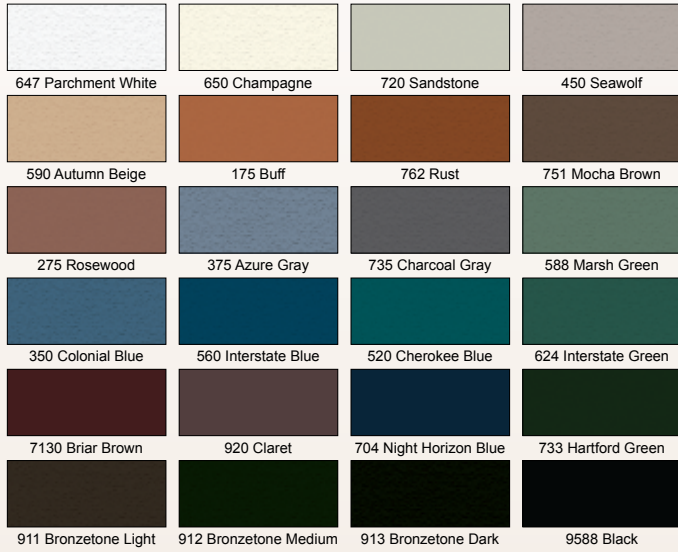
CORES	
2# Density Polystyrene	most economical per inch (4.74 - 20.31 R-Values)
Isocyanurate	most insulation value per inch (6.41 - 27.79 R-values)
Micore	Class A Fire Rated (3.05 - 15.50 R-Value)

Consult the "Spec Builder" at mapes.com/panels/spec_builder for complete details.

Mapes Color Options

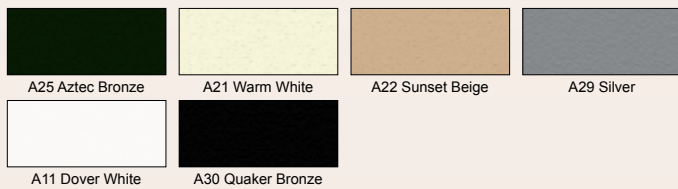
STANDARD PORCELAIN - EMBOSSED ALUMINUM

Custom color matching available



COLORLUME E

Polyester Baked Enamel - Embossed Aluminum



Due to printing process, colors are a general guide only. Please consult your manufacturer's representative for actual color samples.

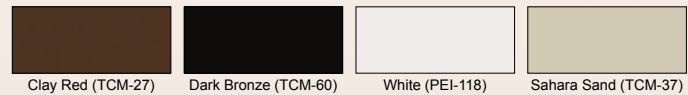
COIL COATED KYNAR ON SMOOTH ALUMINUM



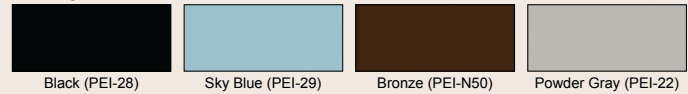
*Premium Charges Apply

PORCELAIN ON SMOOTH STEEL

Semi-matte



Semi-gloss

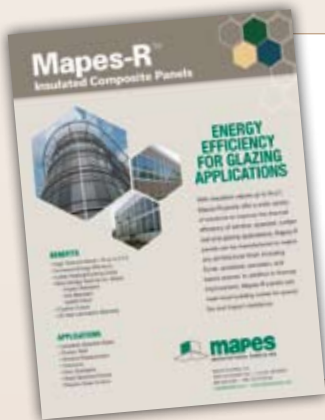


COLORLUME S

Polyester Baked Enamel - Smooth Aluminum



Due to printing process, colors are a general guide only. Please consult your manufacturer's representative for actual color samples.



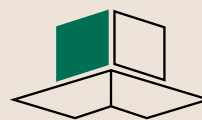
Spec sheets are available for each of the following panel types:

- *MapeStop*
- *MapeShape*
- *MapeShield*
- *MapeSpan*
- *Mapes-R*
- *Porcelain*
- *Corelite*

Call toll-free, 800-228-2391 or visit mapes.com for more details.

Create a customized panel spec online.
www.mapes.com/panels/spec_builder

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



mapes
ARCHITECTURAL PANELS

Mapes Panels, LLC
2929 Cornhusker Hwy / Lincoln, NE 68504
800-228-2391 / 800-737-6756 fax
panels@mapes.com / www.mapes.com