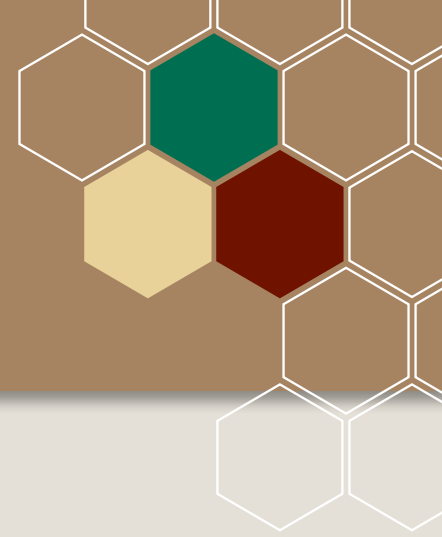


Mapes-R™

Insulated Composite Panels



THE “GREEN” SOLUTION FOR GLAZING APPLICATIONS

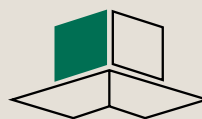
With insulation values up to R=27.9, Mapes-R panels offer a wide variety of solutions to improve the thermal efficiency of window, spandrel, curtain wall and glazing applications. Mapes-R panels can be manufactured to match any architectural finish including Kynar, anodized, porcelain, and baked enamel. In addition to thermal improvement, Mapes-R panels can meet local building codes for sound, fire and impact resistance.

BENEFITS

- High Thermal Values—R up to 27.9
- Increased Energy Efficiency
- Lower Heating/Cooling Costs
- More Design Options (vs. Glass)
 - Impact Resistant
 - Fire Resistant
 - Graffiti Proof
- Custom Colors
- 25 Year Lamination Warranty
- LEED Credit

APPLICATIONS

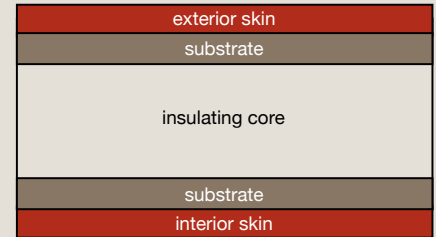
- Insulated Spandrel Glass
- Curtain Wall
- Window Replacement
- Transoms
- Door Sidelights
- Metal Spandrel Panels
- Passive Solar Control



mapes
ARCHITECTURAL PANELS

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

TYPICAL CROSS SECTION



LEED CONTRIBUTIONS

Energy & Atmosphere

1-10 points-Two {2} points mandatory

EA Credit 1.1 Optimize Energy Performance

Achieving increasing levels of energy performance above the prerequisite standard to reduce environmental impacts associated with excessive energy use.

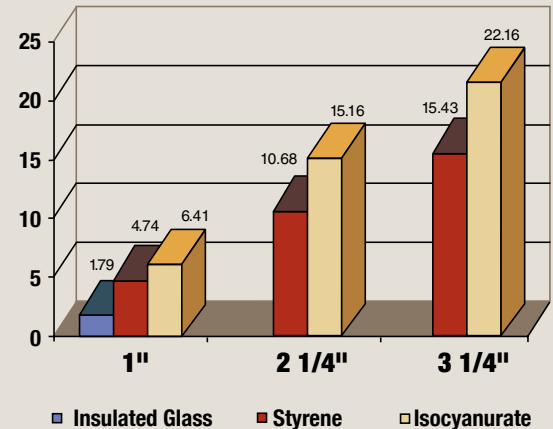
Indoor Environmental Quality

One {1} Point

EQ Credit Thermal Comfort, Design

Provide for a comfortable thermal environment that supports the productivity and well-being of the building occupants

MAPES PANELS VS. INSULATED GLASS



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 cost effective per R-Value (4.74 - 20.31 R-Value)
Isocyanurate	most insulation per inch (6.41 - 27.79 R-Value)
Micore	Class A Fire Rated (3.05 - 15.50 R-Value)