

# MAPESHIELD™

Law Enforcement Center in Sioux Falls, South Dakota



## IMPACT AND BLAST RESISTANT PANELS

Mapes Panels has developed an impact resistant line of laminated panels for use in curtain wall, storefront and window applications where design elements require high impact/high load materials. MapeShield panels can be used in any framing system design for this type of application. The panels can match any architectural finish including Porcelain, Kynar, Anodized and Baked Enamel. Custom applications including bullet resistant and Class 1 blast resistant panels are also available.

## APPLICATIONS

- Glazing Infill
- Wall Facing
- Curtain Wall
- Accent Panels
- Soffit

## FEATURES

- Blast Resistant
- Hurricane Resistant
- Large and Small Missile Impact Rated
- Bullet Resistant Options
- Available in Any Architectural Finish



For more details, please visit [mapespanels.com](http://mapespanels.com)

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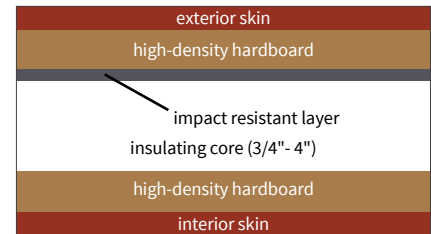
## TECHNICAL DATA



### CORE OPTIONS

- 2.0 lb. density polystyrene - Extra high density polystyrene for additional rigidity and flatness.
- Polyisocyanurate - improved insulation values.
- Mineral Fiber Board - Class A fire rated.

### TYPICAL CROSS SECTION



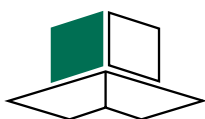
### SELECTION GUIDE

SKINS	THICKNESS	TEXTURE		STANDARD COLORS	CUSTOM COLORS	AVAILABLE WIDTHS		FINISH WARRANTY
		EMBOSSED	SMOOTH			48"	60"	
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	THICKNESS	TEXTURE	AVAILABLE WIDTHS	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
Solid Plastic (SPS)	0.125 & 0.187	WATER/IMPACT 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)



**mapes**  
ARCHITECTURAL PANELS

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