

*Prōtean*<sup>™</sup>

**Flexibility for your Legacy**





## Durable, Aesthetic Fit-For-Purpose Metal Panels

### FLEXIBILITY

#### Custom-fit panel sizes and shapes to fuel architectural innovation

For buildings that define communities, inspire users, and strengthen your legacy, choose Protean. Our comprehensive selection of architectural metal panels is the broadest portfolio in the industry. This unique point of difference enables us to recommend the most effective system for your project's needs and tailor it to your design intent.

Protean allows you to design for exterior panels of any shape up to 54" x 192". Our sized-to-fit panels eliminate field alterations, realizing your vision without compromise. We are also the preeminent provider of Honeycomb Metal Panels in North America and provide unmatched capabilities for dead flat panels, curved panels and radius panels.

Go ahead, unleash your architectural ingenuity. Protean's superior product selection and design flexibility help bring it to life.

01

**University of Wisconsin Union South**  
Madison, WI

02

**Logan International Gateway Terminal**  
Boston, MA



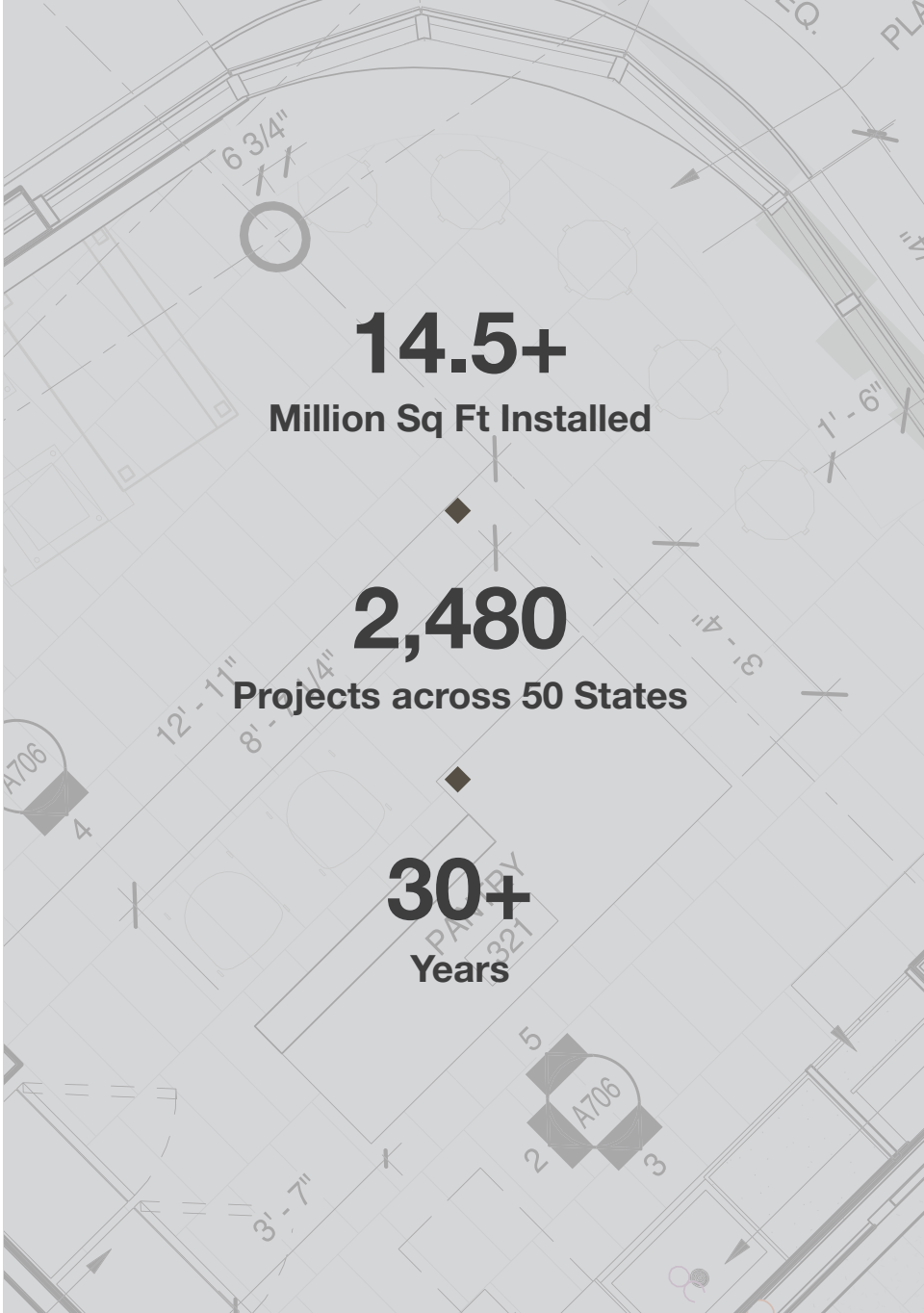
## ACCOUNTABILITY

### Knowledgeable project support from 20+ year industry specialists

Protean's Project Managers and Senior Estimators bring 20+ years of experience to each engagement. This expertise is a major asset in spotlighting and resolving potential issues, such as missing design restrictions and scheduling challenges.

Our team's first-hand knowledge of the installation process coupled with Protean's flexible production process, which allows for variances, ensures your project achieves the desired design aesthetic and functionality.

Our project management team works closely with you and the project contractor to ensure schedules are met, products are properly fabricated, and erectable shipments arrive complete with fasteners and crated by elevation. From start to finish, Protean supports your success with knowledgeable, accountable and experienced professionals.



**14.5+**  
Million Sq Ft Installed

**2,480**  
Projects across 50 States

**30+**  
Years

02





SUSTAINABILITY

**Helping projects achieve LEED credits within both LEED v4 and v4.1**

With the rise in climate change events and increased stakeholder pressures, integrating sustainability measures and green building materials into your designs is more important than ever.

To help you design for sustainability without sacrificing beauty and functionality, Protean’s architectural metal wall panel systems contribute to a high-performance building envelope and can help your project achieve LEED credits within both LEED v4 and v4.1. In addition, our products support green building design in the following ways.

***Sustainable advantages of Protean architectural metal panels:***

- Post-consumer recycled content of 85% or more
- Aluminum plate and honeycomb panels are 100% recyclable at their end of use
- All metal waste from manufacturing is recycled
- Insulated metal panels increase energy efficiency of the building envelope
- Available in colors that meet requirements for a reduction in heat island effect
- No plastics in many of our products
- The high level of recycled content in Protean’s products qualify for credits
- Project locations located within 100 miles of our manufacturing facility qualify for additional credit

To view and download Protean’s Environmental Product Declarations, visit our website at: [www.protean.com](http://www.protean.com)

**03 Cedar Avenue Transit Station**  
Minneapolis, MN

**04 Ben E. Keith Headquarters**  
Selma, TX





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05 **LA Metro**  
Light Rail Station

06 **Bettendorf Public Library**  
Bettendorf, IA

07 **Pennsylvania Convention Center**  
Philadelphia, PA

## LONGEVITY

### Superior manufacturing for metal wall panels that last

The projects we support are designed for the long-term. From civic buildings and corporate headquarters to airports, hospitals and more, Protean ensures our architectural metal panels deliver the quality and durability required for a building's lifespan.

Our panel systems are designed and crafted with heavier gauge materials, reinforced corners, and conservatively spaced stiffeners to extend service life. In addition, our in-house manufacturing capabilities enable us to control every phase of the production process with quality assurance measures at each critical step.

Controlling the manufacturing process also provides us incredible flexibility in design, fabrication, and the critical factor of scheduling. With our ability to prioritize fabrication, we've helped meet aggressive closeout dates and tight construction timelines. We always do our best to meet even the toughest timelines. At Protean, we're committed to making buildings and relationships that last.



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**Modera Davis Apartments**  
Portland, OR

## Honeycomb Metal Panels

**Perfect for Large Scale Projects with Long Smooth Expanses**

**Protean's Aluminum Honeycomb Metal Panels (HMP)** are among the most economical solution for projects needing long, smooth expanses with extreme flatness. The honeycomb construction creates high strength and increased wind load resistance in a low weight package. Requiring limited to no supporting infrastructure, the panels can reduce installation costs and are significantly lighter than aluminum plate or ACM panels. Protean's HMP brings durability and sustainability to large scale projects including education, government, and civic buildings at a lower cost than aluminum plate and at a competitive price with aluminum composite (ACM). Protean has the greatest HMP production capacity in North America.

**Chobani Corporate**  
Twin Falls, ID

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## Insulated Metal Panels

**The Only Configurable, Direct-to-Stud IMP Tested to NFPA-285**

**Protean's Insulated Metal Panels (IMP)** unleash your design flexibility with our highly sustainable, configurable, fire-safe panels. Protean's FM-200 (dry joint) and FM-100 (caulk joint) panels have been tested to NFPA-285 standards that allow construction with 1" to 4" foam core, with aluminum or galvanized skins, with or without weather barrier and with or without sealants. Tested up to 4-inches thick, versus industry standard 2-inch modules, and with an R-value of 7 per inch, the increased insulation value yields greater energy efficiency.

Available in sizes up to 56" x 192" and configurable in variety of geometric shapes with no customization charge, Protean IMP provides the look of ACM with insulation included. Exterior walls constructed with our FM-200 system are more cost-effective than ACM and other metal panel systems because added girts and mineral wool can be eliminated.

With NFPA-285 testing direct-to-stud over gyp sheathing, our FM-200 system eliminates the need to install rainscreen carrier systems, mineral wool or continuous insulation systems, and hat channels or other furring for mounting. Fewer installer trips around the building façade results in significantly lower installation and total wall envelope expense.



**10** **Two California Plaza**  
Los Angeles, California

**11** **The Vera Affordable Housing**  
Portland, OR

**Rainscreen Style HMP and IMP Wall Panels Offer Crisp Aesthetic and Sharp Reveals**

Rainscreen style HMP and IMP wall panels have the aesthetic benefits of a rainscreen along with the ability to serve as a barrier system. Without exposed sealants or fasteners, a rainscreen style system offers crisp edges with sharp reveals in the same color as the panel face. The 200 series can serve as a barrier system stand alone, avoiding the expense of a barrier system in the wall substructure. The 200 series can also be installed horizontally or vertically using concealed fasteners.

**HC-200 RAINSCREEN-STYLE SYSTEM**

**Best for projects needing:**

- Large, 'dead flat' expanses
- High strength and wind load resistance
- Large panels
- Crisp aesthetic without caulk lines
- Simple/geometric panel configurations
- Low maintenance and sustainability

**FM-200 RAINSCREEN-STYLE SYSTEM**

**Best for projects needing:**

- High R-value performance
- Insulated curtain wall inserts in lieu of glass
- Sound deadening/noise abatement
- Smooth aesthetic without exposed gaskets or sealants
- ASHRAE 90.1 or California Title 24 compliance



**Barrier Wall Systems Deliver Complex Configurations and Long Expanses**

Protean's barrier wall systems are best for large 'dead flat' expanses with a crisp aesthetic. Our barrier wall systems can be engineered for your design needs in complex or standard configurations and offer low maintenance and sustainability.

**HC-100 BARRIER/WET SEALED SYSTEM**

**Best for projects needing:**

- Large, 'dead flat' expanses
- High strength and wind load resistance
- Large panels
- Complex panel configurations
- Low cost

**FM-100 BARRIER/WET SEALED SYSTEM AND GLAZING INFILL PANEL**

**Best for projects needing:**

- High R-value performance
- Insulated curtain wall inserts in lieu of glass
- Sound deadening/noise abatement
- ASHRAE 90.1 or California Title 24 compliance



## Aluminum Plate Panels

***Ideal for Cladding Down to Grade, Entrance Accents & Perforated Accents***

**Protean's Aluminum Plate Panels** expand your creative possibilities. We don't confine your design thinking with standard shapes, sizes, or shades like other manufacturers. Protean offers maximum flexibility and versatility to realize your vision. Our aluminum plate rainscreen and barrier wall systems are well suited to small projects with custom colors. The panels are painted after they are formed, eliminating minimum orders costs for custom ACM or coil coated colors. These systems work well for civic, education and government buildings as well as for retail/commercial canopies and entrances, where durability is necessary and long life is desired.

Ranging from a pressure equalized rainscreen system, to a fully caulked barrier wall system or decorative perforated coverings standard construction is with 0.125 plate, ideal for cladding applications that go down to grade or as an accent around an entrance. The panel thickness prevents denting common in thinner rainscreens or ACM panels and eliminates the possibility of delamination.

***Attractive Rainscreen Systems with Lowest Overall Service Life Cost***

As true rainscreens, the **AP-2500RS** and **AP-2000RS** offer the ultimate in lowest overall cost throughout the service life of the system. Back ventilated and drained rainscreen systems (the AP-2500RS and AP-2000RS) are designed to adjust to pressures within a 0.8 second differential. They can also meet LEED requirements due to the elimination of thermal bridging and 100% recyclable content. The new AP-2500RS installs up to 40% faster than spline joint systems due to integrated drainage channels and attachment clips.

**AP-2500RS AND AP-2000RS ALUMINUM PLATE RAINSCREEN SYSTEMS**

***Best for projects needing:***

- Cladding down to grade
- Small volume with custom colors
- Sustainability and low maintenance
- Entrances and accents
- Sustainability and longevity for larger, monumental projects

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### ***Designed to Drive Out Moisture and Driving Rain***

Engineered for extremely wet climates or for buildings exposed to driving rain, **AP-3000RS rainscreen systems** feature an open joint system. AP-3000RS is designed to reduce the risk of moisture seeping behind the panels due to joint splines not found in more economical rainscreen systems. The extruded frame and non-welded corners provide a crisp and clean edge for an improved aesthetic.

### **AP-3000RS ALUMINUM PLATE RAINSCREEN SYSTEMS**

#### ***Best for projects needing:***

- Same applications as for AP-2000RS, plus
- A crisp aesthetic
- Long horizontal and vertical panels



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**The Crossings Condominiums**  
Minneapolis, MN

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**Jordan High School**  
Katy, TX

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**Kaiser Permanente**  
Beaverton, OR





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**Achieve Complex Building Contours, Curves and Slopes**

Ideal for projects with multiple bends, shapes and contours on varying planes, **AP-1125's** durable material holds complex shapes enabling a curved or sloped aesthetic. The base design is also ideal for construction of perforated panels, which allows solid plate and perforated panels to be easily blended in the same project.

**AP-1125 & AP-2125 ALUMINUM PLATE PANELS**

**Best for projects needing:**

- Cladding down to grade
- Small volume with custom colors
- Complex building contours
- Entrances and accents
- Decorative perforation coverings
- Sustainability and longevity for larger, monumental projects
- Seismic considerations (AP-2125)

AP-2125 systems are designed to be free-floating by using stainless-steel alignment pins for seismic considerations.



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15 **Gordon Event Center**  
UW Madison, WI

16 **100 Times Square**  
New York, NY

17 **Enso Condominiums**  
Seattle, WA









## ACM Rainscreen Panels

**Low Maintenance & Versatility Meets Low-Cost**

### Protean's (ACM) Panel Systems

provide the lowest cost option where a shorter service life is anticipated. ACM Rainscreen and Barrier Wall panel systems are best used in low rise applications above grade and are ideal for retail and multi-family buildings.

### ACM-2000RS RAINSCREEN PANELS

Protean's most economical rainscreen cladding system, ACM-2000RS is the easiest drained/back-ventilated system to install in the market. ACM rainscreen cladding can be custom painted to match or contrast with other materials if desired on larger projects.

### ACM-3000RS RAINSCREEN PANELS

An extruded frame rainscreen panel system, ACM-3000RS is engineered for extremely wet climates or for buildings exposed to driving rain. ACM-3000RS is designed to reduce the risk of moisture seeping behind the panels due to joint splines not found in more economical rainscreens. The extruded frame and non-welded corners provide a crisp and clean edge for an improved aesthetic.

### ACM-2000RS AND ACM-3000RS ACM RAINSCREEN PANEL SYSTEMS

#### **Best for projects needing:**

- Low rise, above grade use
- Low-cost materials
- Branding/corporate identity
- Shorter service life requirements
- Low cost/low maintenance features

#### **ACM Barrier Wall Systems: An Impressive Statement at a Competitive Price**

#### ACM-100 composite panel systems

provide a sharp look at a competitive price ideal for retail, commercial or multi-family buildings. Ideal for locations where branding and turnover result in frequent renovation.

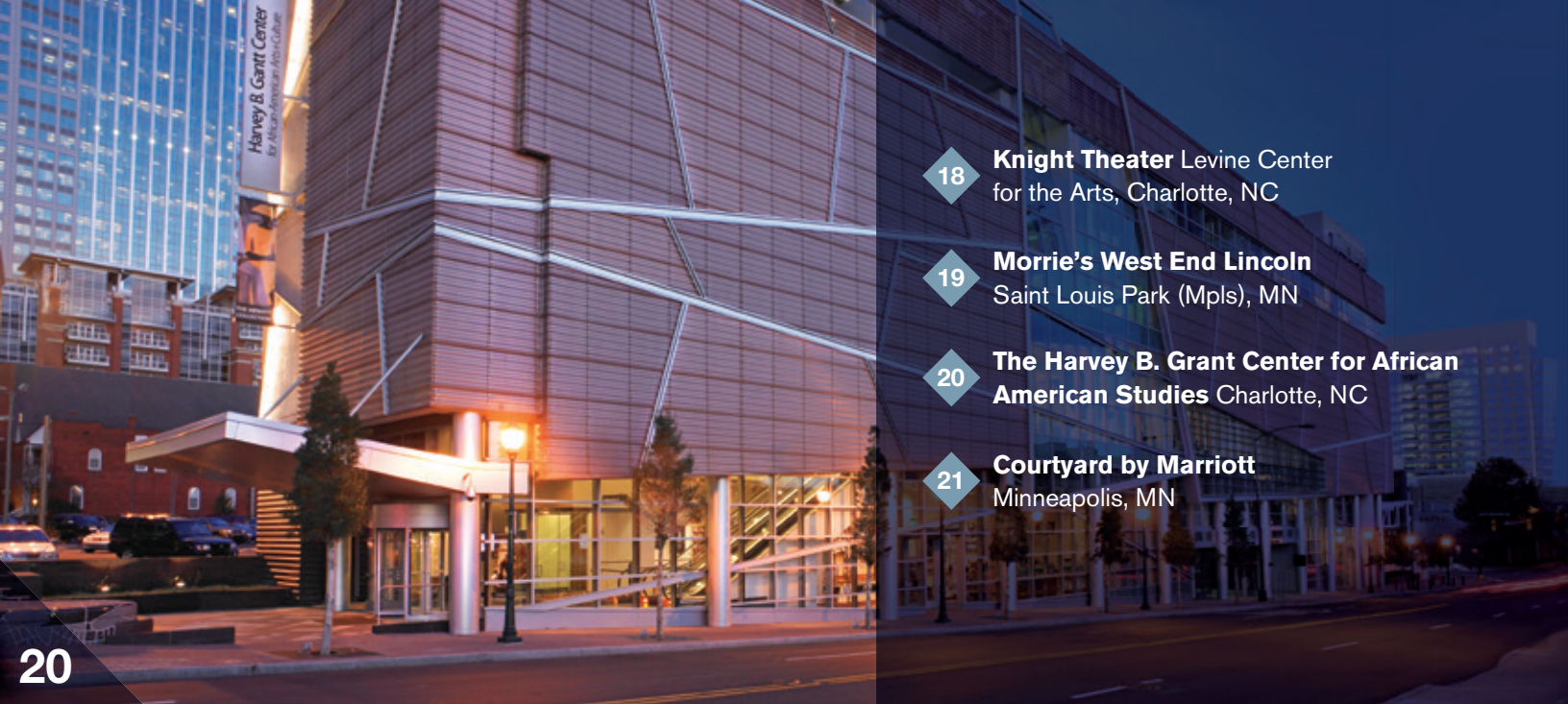
### ACM-100 BARRIER WALL SYSTEMS

#### **Best for projects needing:**

- Low rise, above grade use
- Low-cost materials
- Branding/corporate identity
- Shorter service life requirements







18 **Knight Theater** Levine Center for the Arts, Charlotte, NC

19 **Morrie's West End Lincoln** Saint Louis Park (Mpls), MN

20 **The Harvey B. Grant Center for African American Studies** Charlotte, NC

21 **Courtyard by Marriott** Minneapolis, MN

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## Column Covers & Wraps

***Signature Design Accents that Stand the Test of Time***

Protean's Column Covers and Wraps are offered in aluminum plate, stainless steel and aluminum composite materials (ACM). Available in round, square or oval shapes as well as in a variety of finishes, Protean Column Covers and Wraps can be used in conjunction with Protean panel systems or as an accent to other materials.

As an important complement to the overall design of your project, Column Covers and Wraps should coordinate with materials used for adjacent walls. Our design team can help you spec the material, design configuration, and finish that best fits the overall aesthetic you hope to achieve.

In addition to covering exterior supports on walls and entryways, Protean Column Covers and Wraps can be used for interior applications in lobbies and hallways. Interior use provides opportunities to match internal trims, add color or otherwise enhance the building's interior design.

**ALUMINUM PLATE COLUMN COVERS & COLUMN WRAPS (AP-COL)**

**STAINLESS STEEL COLUMN COVERS & COLUMN WRAPS (SS-COL)**

**ALUMINUM COMPOSITE COLUMN COVERS & COLUMN WRAPS (ACM-COL)**

***Product options include:***

- Horizontal reveals (top, bottom and intermediate)
- Trim rings (ceiling trim or base trim)
- Sound deadening mastic







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- ◆ 22 **GTE/Verizon Headquarters**  
New York City
- ◆ 23 **La Bahn Arena**  
University of Wisconsin-Madison
- ◆ 24 **Mill Street Ramp**  
Wayzata, MN



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# PROTEAN APPLICATIONS AND MARKETS

## PRODUCT SELECTION GUIDE

PRODUCTS	PRODUCT CATEGORY	Aluminum Honeycomb (HC) & Insulated Foam Core (FM)				Aluminum Plate (AP)				Aluminum Composite (ACM)		
	SYSTEM TYPE	Wet Sealed Systems		Rainscreen Style Systems		Wet Sealed Systems		Rainscreen Systems		Wet Sealed Systems	Rainscreen Systems	
	PRODUCT NAME	HC-100	FM-100	HC-200	FM-200	AP-1125	AP-2125	AP-2000RS/ AP-2500RS	AP-3000RS	ACM-100	ACM-2000RS	ACM-3000RS
APPLICATION	Accents	◆	◆	◆	◆	◆◆◆	◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆
	Branding/ Corporate Identity	◆	◆	◆	◆	◆◆	◆	◆◆	◆◆	◆◆◆	◆◆◆	◆◆◆
	Cladding Down to Grade	◆◆	◆◆	◆◆	◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆	◆	◆
	Crisp Aesthetic	◆◆	◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆◆
	Complex Building Contours	◆◆	◆◆	◆	◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆	◆	◆
	Complex Panel Configurations	◆◆◆	◆◆◆	◆	◆	◆◆◆	◆◆◆	◆◆	◆	◆◆◆	◆	◆
	Custom Colors in Small Volume					◆◆◆	◆◆◆	◆◆◆	◆◆◆			
	Entrances	◆◆	◆	◆◆	◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆	◆
	High R-Value	◆	◆◆◆	◆	◆◆◆							
	Insulated Curtain Wall Inserts (in Lieu of Glass)	◆	◆◆◆	◆	◆◆◆	◆				◆		
	Large 'Dead Flat' Expanses	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆	◆◆	◆	◆	◆◆
	Large Panels	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆	◆	◆◆	◆	◆
	Long Vertical Panels	◆◆◆	◆◆◆	◆◆	◆◆	◆◆◆	◆◆	◆◆	◆◆◆	◆◆◆	◆	◆◆
	Low Cost	◆◆◆	◆◆◆	◆◆	◆◆	◆◆	◆	◆	◆	◆◆◆	◆◆◆	◆◆◆
	Low Maintenance	◆	◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆◆	◆◆◆	◆	◆◆◆	◆◆◆
	Low Rise, Above Grade Use	◆◆	◆◆	◆◆	◆◆	◆				◆◆◆	◆◆◆	◆◆◆
	No Exposed Gaskets or Sealants	◆	◆	◆◆◆	◆◆◆	◆	◆	◆◆◆	◆◆◆	◆	◆◆◆	◆◆◆
	Seismic Considerations			◆◆	◆◆		◆◆◆	◆◆			◆◆	
	Shorter Service Life Requirements	◆◆	◆◆	◆	◆	◆◆	◆◆	◆	◆	◆◆◆	◆◆◆	◆◆
	Sound Deadening Noise Abatement	◆◆	◆◆◆	◆◆	◆◆◆	◆	◆	◆	◆	◆	◆	◆
Sustainability	◆◆	◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆◆	◆◆◆	◆	◆◆	◆◆	
Sustainability - Low Cost	◆◆	◆◆	◆◆◆	◆◆	◆◆	◆	◆	◆	◆◆	◆◆◆	◆◆◆	
MARKET	Civic	◆◆◆	◆◆◆	◆◆◆	◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆	◆	◆
	Commercial	◆◆	◆◆	◆◆	◆◆	◆	◆	◆	◆	◆◆◆	◆◆◆	◆◆◆
	Education	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆	◆
	Government	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆	◆
	Multi-Family	◆◆	◆◆	◆	◆	◆	◆	◆	◆	◆◆◆	◆◆◆	◆◆◆
	Retail	◆◆	◆◆	◆	◆	◆	◆	◆	◆	◆◆◆	◆◆◆	◆◆◆
	Retail/Commercial Accents	◆◆	◆◆	◆	◆	◆◆◆	◆◆◆	◆◆◆	◆◆	◆◆	◆◆	◆

Product Application Key - Good: ◆ Better: ◆◆ Best: ◆◆◆

**Note:** Matching **column covers and beam wraps** are available once a wall system has been selected. Choose from Aluminum Plate (AP-COL), Stainless Steel (SS-COL), or ACM Composite (ACM-COL) materials in a variety of finishes.

“pro•te•an”  
(pro tē ən)  
*adjective*

readily taking on  
different shapes or  
forms; versatile.

***Prōtean™***

Find your local representative at [protean.com/contact](https://protean.com/contact)

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