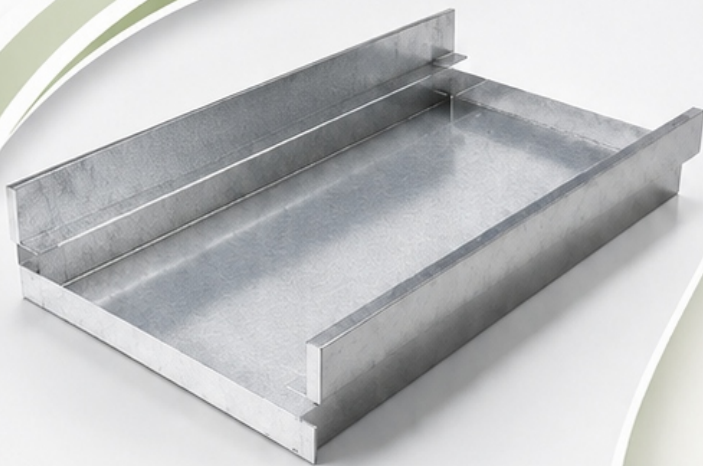


CURTAIN WALLS BACKPAN

Exclusively to supply Glass and Glazing trades, backpans are adhered and sealed to the curtain wall frame behind opaque glazing areas.



Custom Fabricated to
Suit **Project Requirements**



WEATHER RESISTANT

Sealed for superior protection & durability



STRONG ADHESION

Adhered to curtain wall frame for a secure fit



PREMIUM QUALITY

Manufactured with precision for long lasting performance



DESIGNED TO PERFORM

Ideal solution for opaque glazing applications



**BUILT FOR
STRENGTH.
MADE FOR
PERFORMANCE.**



**PRECISION
FABRICATION**



**CUSTOM MADE
SOLUTIONS**



**TRUSTED BY
PROFESSIONALS**



“Keep Canadian dollars. In Canadian pockets”

Core Focus: Exceptional solid metal fabrication and heavy-duty structural steelwork.

Manufacturing Identity: “Proudly Made in Canada” facility, focussing entirely on local manufacturing, sourcing domestic raw materials, and retaining economic capital within Canada.

Finishing and Treatment: Employs a specialized, multi-stage protective technique where every product is meticulously primed and painted to withstand severe weather elements.

Quality Assurance: Built for maximum durability, their premium product lines are backed by a competitive Lifetime Warranty, which highlights their confidence in structural integrity and strength.

Exceptional Solid Metal Work: Specialized Canadian steel/metal fabrication company.



Curtain Wall Backpan

PROSTEEL EQUIPMENT metal cladding and fabrication products improve functionality and elevate the aesthetics of any architectural project. As experts in architectural metal fabrication, we're proud to be your comprehensive partner for outstanding Curtain Wall Backpan, louvers, brake metal, and other structural metal solutions.



Why Prosteel Equipment Curtain Wall Backpan?



25 Years of Architectural Metal Expertise

Our 25 years of experience providing architectural metal solutions to commercial construction architects has finely-tuned our approach, making us uniquely adept at meeting both the design and performance needs of architecturally ambitious projects.



Custom Solutions, Built for Your Vision

From custom colors, sizes and panel configurations to expert recommendations on materials that will stand the test of time, you can trust the **PROSTEEL EQUIPMENT** team to be your partner in realizing your architectural vision.



Quality. Performance. Partnership.

We are committed to precision fabrication, premium materials, and dependable service-delivering Curtain Wall Backpan solutions that enhance building envelopes and stand the test of time.



Precision Fabrication. Architectural Excellence.

Production

Prosteel Equipment fabricates various curtain wall back pans in different shapes and sizes based on your requirements and the cladding system.

The factors that affect the design and shape of back pans are:

- * The material used for production (aluminum or galvanized steel)
- * Material thickness. (20 gauge and 22 gauge are standard)
- * Insulation material (usually mineral wool)
- * Quantity of welded stiffeners used. Large back pans are generally reinforced with stiffeners to increase their stability
- * Panel depth (ranging from 3/4" to 8")

Curtain Wall Backpan

PROSTEEL EQUIPMENT can fabricate Backpans in accordance with the design and recommendations provided by structural engineers, architects, glazing consultants, and other construction professionals.

Galvanized Backpans are instrumental in most curtain wall designs where openings require insulation to meet the design criteria.



GALVANIZED G90 STEEL BACKPAN SYSTEMS

PROSTEEL EQUIPMENT metal cladding and fabrication capabilities include Backpan systems with galvanized G90 steel that can easily be formed to meet a wide range of opening sizes and specifications.



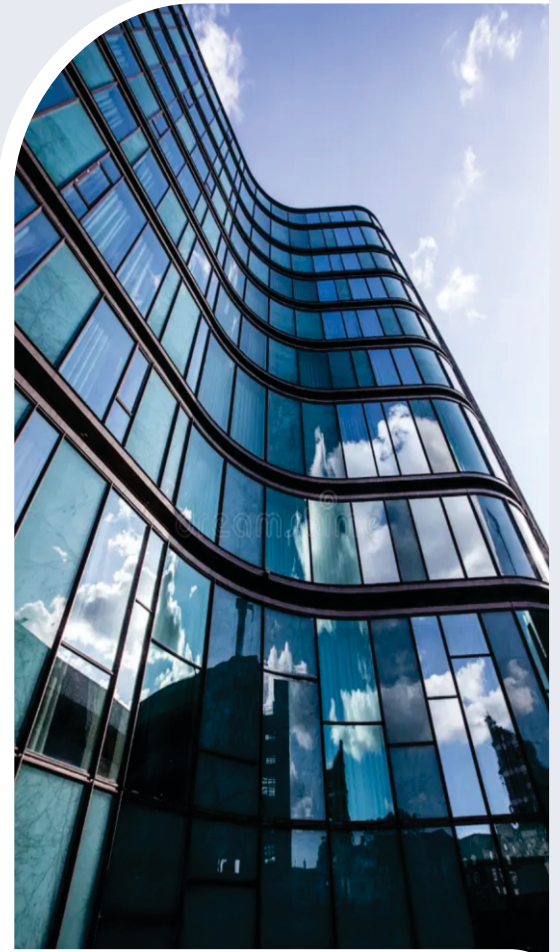
FACTORY-INSTALLED INSULATION. EASE IN INSTALLATION.

Let **PROSTEEL EQUIPMENT** build your project a turnkey Backpan system! We'll factory-install the insulation, utilizing stick pins to ease installation of the units. **PROSTEEL EQUIPMENT** capabilities as your one-stop metal fabrication shop make us the clear choice for all your backpan needs and more.



PROJECT-SPECIFIC SOLUTIONS FOR EVERY PROJECT

The Backpan profile supplied by **PROSTEEL EQUIPMENT** may vary depending on the sequence of building component installation, the glazing method, whether the project is new construction or retrofit work, and other project-specific requirements.



**BUILT TO PERFORM.
BUILT TO SUPPORT.
YOUR VISION.**

From insulation support to precision fabrication, **PROSTEEL EQUIPMENT** delivers Backpan systems that meet your design, schedule and performance goals.

Curtain Wall Backpan



AESTHETICS

PROSTEEL EQUIPMENT products are designed, engineered and manufactured to provide both eye-catching visual appeal and impressive performance. Our product line has options to suit every architectural vision.



CUSTOMIZATION

Our customization capabilities allow us to bring your architectural vision to life with integrity - and without compromising on quality or performance. Virtually every **PROSTEEL EQUIPMENT** product can be tailored to meet your unique needs.



KNOWLEDGE

For 25 years, the **PROSTEEL EQUIPMENT** team has developed a deep bench of fabrication, engineering, design, and overall industry knowledge. As our partners, you can be confident that you're working with professionals who understand your vision and the details that matter.



QUALITY

The **PROSTEEL EQUIPMENT** name is synonymous with quality. Canadian-made architectural metal solutions, and we take pride in our work. Every **PROSTEEL EQUIPMENT** product is rigorously tested for quality and performance.



CONVENIENCE

Our extensive product line and depth of industry knowledge allows us to be your single-source provider for all your architectural metal needs. As your trusted partner, **PROSTEEL EQUIPMENT** delivers time and cost savings- plus convenience like a single warranty covering all your solutions for a stress-free, streamlined experience.



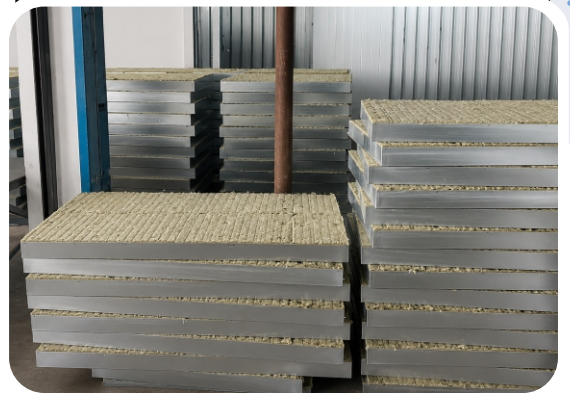
CUSTOMER SERVICE

PROSTEEL EQUIPMENT high-touch customer service is built on a foundation of trust, honesty, and reliability. We listen to understand, practice clear, consistent communication with our customers, and are eager to go the extra mile to ensure your ultimate satisfaction with our contributions to your project. Backed by our unwavering commitment to delivering the best possible solutions for every project.



TECHNICAL SPECIFICATIONS & CAPABILITIES

- **Dimensional Criteria:** PROSTEEL EQUIPMENT Backpans can be fabricated to meet specific project requirements.
- **Pan Depth:** Backpans can be fabricated up to 125 mm (4.92 in) deep, in any required increment.
- **Gauges:** 20 gauge and 22 gauge are standard. Other gauges can be fabricated to meet the designer's or project-specific requirements.
- **Oversized Pans:** Backpans larger than 2.3 m² (24.75 sq. ft.) can be custom fabricated with an integrated joint-stiffening design for added rigidity and stability.
- **Structured Incremental Shipping:** If required, **PROSTEEL EQUIPMENT** Backpans can be supplied on a floor-by-floor or elevation-by-elevation basis to support organized and efficient installation.
- **Paint Finish (Optional):** Where Backpans are exposed to the interior of the building, the exposed surface can be painted or Powder Coated finished to meet the customer's architectural and project requirements.



Curtain Wall Backpan

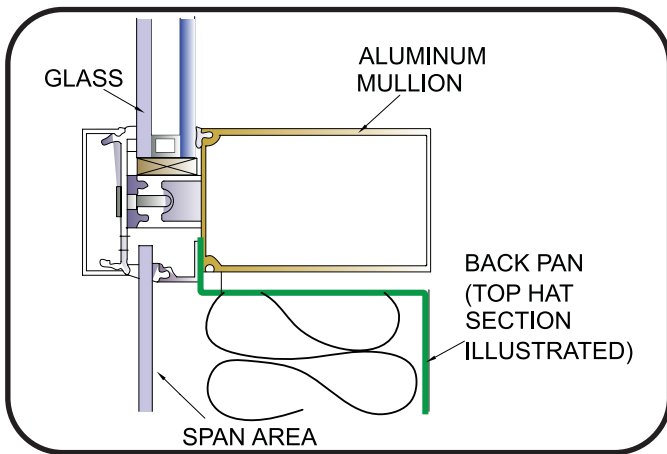
EXPLANATION

In curtain wall construction the control of heat flow is generally achieved through the use of insulation. Although it is not apparent from the exterior, the curtain wall system uses considerable insulation usually behind span glass or any opaque panels. Because of the materials used in the structure, i.e., glass and metal, which are highly conductive, the system must also contend with potential condensation on the interior surfaces. To curtail this effect, most curtain wall systems incorporate three distinct features: a sealed double glazed window or an insulated metal pan, a thermally broken mullion, and a rainscreen design.

PRODUCT DESCRIPTION

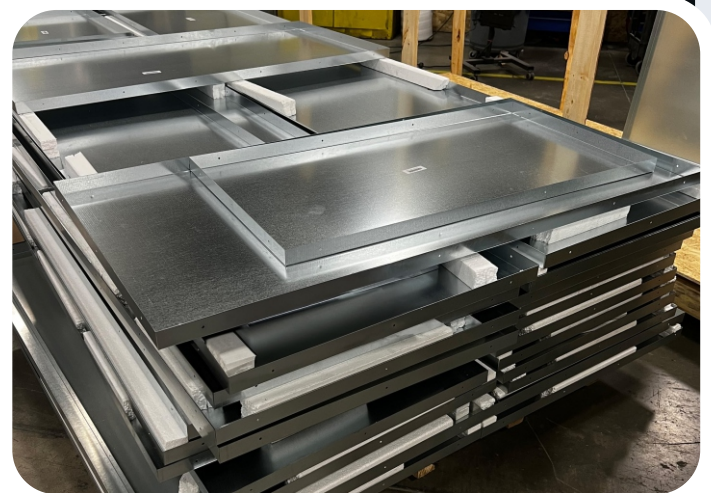
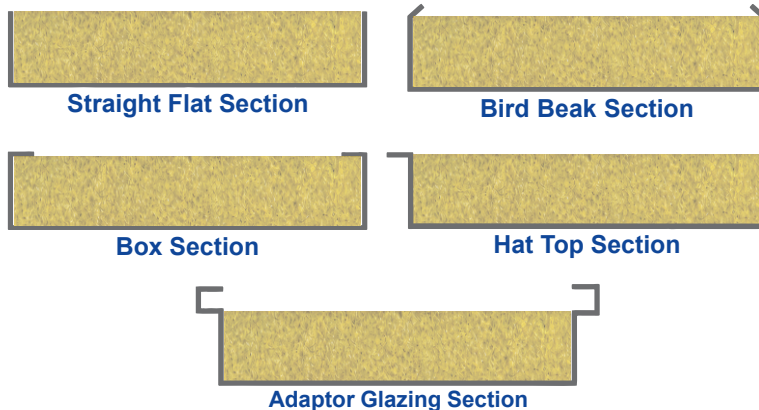
PROSTEEL EQUIPMENT galvanized steel back pans are installed on the interior face of curtain wall systems in span areas and are secured to the wall framing using appropriate fasteners. The cavity of the back pan is filled with mineral wool or fiberglass that is pin welded to the steel pan. Sealing of back pans to mullions is the glazier's responsibility.

PROSTEEL EQUIPMENT galvanized steel Backpan are available in 20 or 22 gauge galvanized steel, and 4 profiles to suit a variety of conditions. All brake formed Backpan corner joints and seams are spot welded, then sealed using a insulation, and advanced sealing techniques, component sealing compound. The interior side of the pans may be painted as an option for The interior - side of the pans may be painted as an option for aesthetic reasons i.e. where back pans are visible from the building interior. Painted back pans typically have the insulation secured using self-stick pins.



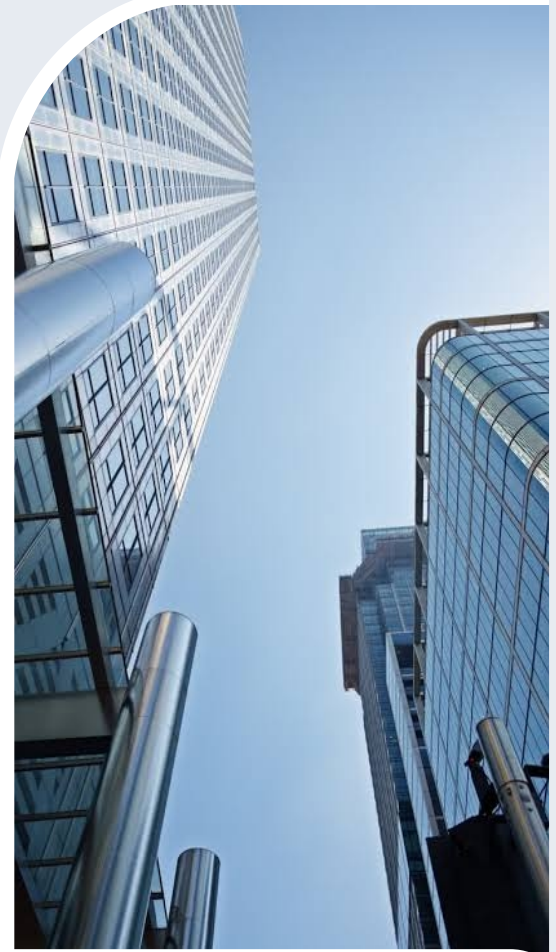
CUSTOM PROFILES:

Other Backpans profiles or shapes can be fabricated. Contact **PROSTEEL EQUIPMENT** for requirements.



USE

- 1 On interior face of the curtain wall system
- 2 New or retrofit construction.
- 3 Over steel, concrete, masonry or wood structures.
- 4 Concealed, or exposed locations (painted backs).

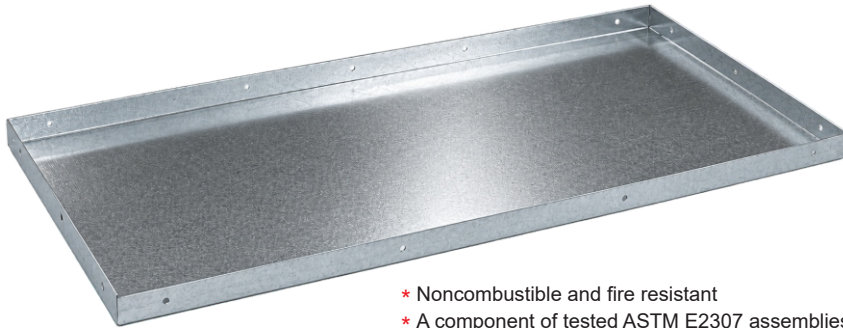


Curtain Wall Backpan

Bill of Materials (BOM)

1. Primary Substrate (Pan Component)

Galvanized Steel Sheet / Aluminum Sheet (Alternative)



- * Noncombustible and fire resistant
- * A component of tested ASTM E2307 assemblies
- * Nominal 4lb and 8lb densities available
- * Water repellent to resist absorption
- * Dimensional stability to maintain performance

2. Core Thermal Insulation

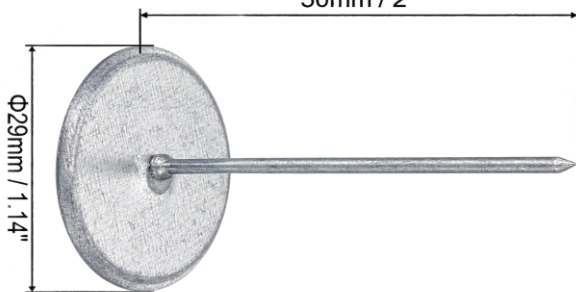
Rockwool Insulation Board



3. Mechanical Attachment Hardware

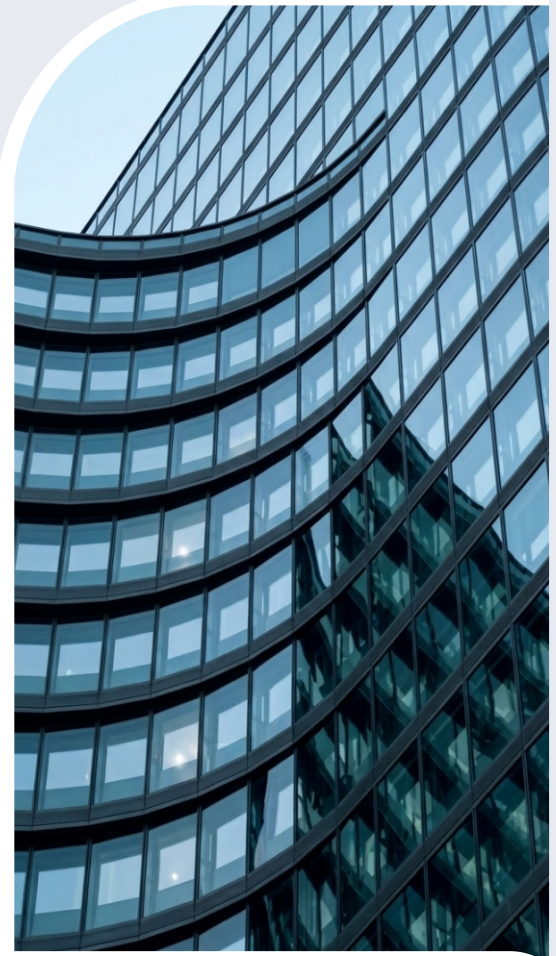
Cap-Head Mechanical Weld Pins

50mm / 2"



4. Air, Vapor, and Joint Sealants

Galvanized Steel Sheet / Aluminum Sheet (Alternative)



Affixed to the steel pan with weld pins

State-of-the-Art Backpan Manufacturing Technology

- * CNC Laser Cutting
- * Precision Forming & Machining
- * Welding, Assembly & Finishing
- * Design & Prototyping



OUR FABRICATION CAPABILITIES



CNC Laser Cutting: High-Precision CNC Sheet Lasers & Tube Laser.



Precision Forming & Machining: CNC Bending, CNC Rolling, CNC Lathe & CNC Milling



Welding, Assembly & Finishing: High-Quality MIG, TIG, & Spot Welding, Product Assembling Services, Powder Coating.



Design & Prototyping: In-House Metal Structure Designer, Prototype Development & Fabrication

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