Aluminum Plate

alumitex

Aluminum Facade System

Aluminum Plate

High strength, low weight, endless versatility, and non-combustible.

Features & Benefits

Climate Defiant
Resistant to expansion and contraction in high temperature or freezing conditions.

UV Resistant
Color is resistant to fading from exposure to the sun or extreme temperatures.

Weatherproof
Weatherproof panels combined with a patented pressure-equalized rainscreen system provide the ultimate weather barrier.

Endless Versatility
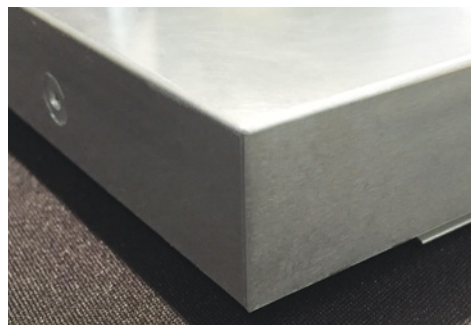Extremely durable. Aluminum plate offers the opportunity to create square, crisp lines and compound curves.

Completely Customizable
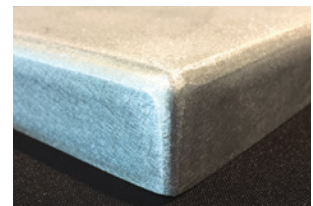Aluminum plate is post-painted which allows an endless possibility of color choices.

Built on **Unity Attachment Technology** for seamless integration with our other panel systems.

TRU-90

Our precision route & return fabrication process delivers a superior edge aesthetic that requires no welding or grinding.

Tru-90 Edge

Bullnose Edge

Product Specifications

Composition + Materials

Aluminum Plate is a high strength, low weight aluminum alloy sheet that is durable and has excellent formability. Solid aluminum plate panels are non-combustible and therefore have no installation limitations.

Standard* Panel Sizes (actual face size of panel):

46" x 94" (1168mm x 2387mm)   58" x 94" (1473mm x 2387mm)

46" x 118" (1168mm x 2997mm)   58" x 118" (1473mm x 2997mm)

46" x 142" (1168mm x 3606mm))   58" x 142" (1473mm x 3606mm)

Standard* Thickness:

⅛" (3mm)

Solid: Select applications

*Custom sizes and thickness are available.
 Consult your Elemex Agent for availability and pricing.

Weight: Approximately 3lbs/SF

Finish:

Aluminum Plate is post-painted, typically with a PPG Duranar, which allows for an endless possibility of color choices.

Available in these options:

- Duranar — 2 coat system (primer & color), solid colors only

- Duranar Sunstorm — 2 coat system (primer and mica containing color), mica finishes

- Duraner XL — 3 coat system (primer, color, and clear coat), solid, mica and metallic colors available

Warranty: 1-year manufacturer (20-year finish)
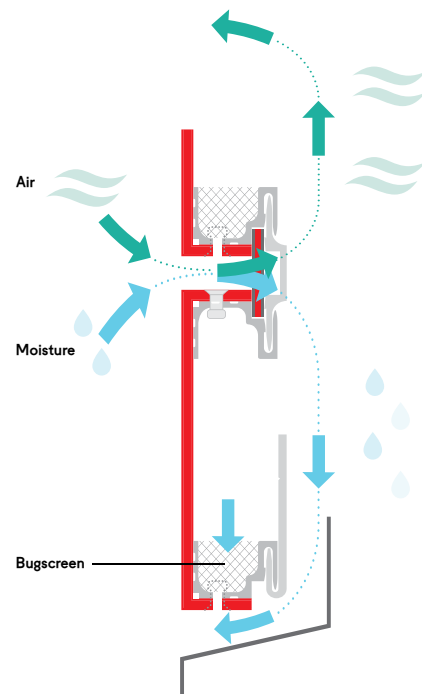
Rear Ventilated Rainscreen

Rear Ventilated Rainscreen (RVR)

Our Rear Ventilated Rainscreen (RVR) System breathes freely and allows panels to repel water and debris.

Pressure-Equalized Rainscreen

Pressure-equalization reduces the pressure difference across the cladding through the use of compartmentalization and back venting. Ingress of incidental water is reduced and residual moisture is returned to the exterior at the drainage plane.

Air

Moisture

Bugscreen

1. Product Name
Alumitex® Aluminum
   Facade System
Aluminum Plate

2. Manufacturer
Elemex® Inc.
530 Admiral Drive
London, Ontario, N5V 0B2
Toll Free: 1-(844)-435-3639
info@elemex.com

3. Product Description
Basic Use
Exterior or interior wall panel for
new construction,renovation, commercial and
various other applications. Some typical uses include; exterior
wall panels, fascia panels, ceiling panels, spandrel panels,
beam & column covers, wall trim, accent panels and signage.

4. Unity® Attachment Technology
Unity® Attachment Technology: a proprietary integrated
attachment technology developed and perfected by Elemex® to
panelize, mount and seamlessly integrate a variety of surfaces
such as: Sintered Ceramic, ACM, Aluminum Plate and other
specialty veneers.

5. Composition and Materials
Solid 3mm (1/8") aluminum alloy (3003-H14 paint quality or
5005-H34 anodizing quality tensioned leveled sheet) is used to
fabricate all Elemex plate projects. Other thicknesses and alloys
are available. The corners are finished with the Elemex® Tru-90®
Edge precision route & return fabrication. Aluminum sheets
arrive with a option of a strippable protective film.

6. Finishes
The following aluminum finishes are offered as standard
by Elemex
Painted Finishes: PPG Duranar® flourocarbon coatings contain
Kynar 500® resins in a wide range of architectural colours.

Anodized finishes: Architectural Class 1, 20um (.0007")

7. Sizes
46" x 94" (1168mm x 2387mm)
46" x 118" (1168mm x 2997mm)
46" x 142" (1168mm x 3606mm)
58" x 94" (1473mm x 2387mm)
58" x 118" (1473mm x 2997mm)
58" x 142" (1473mm x 3606mm)
A standard thickness of 3mm (1/8") is recommended, although
other thickness are available.

8. Installation
Elemex is a custom manufacturer specializing in the fabrication
of aluminum composite panels. Elemex will fabricate the wall
panels according to the project specifications and approved
shop drawings. Installation is performed by a qualified
certified installer.

9. Limitations
Non-load bearing use only.

10. Precautions
Elemex takes great care to ensure that all brackets, clips or
other fixing devices that come in direct contact with the panel
are made from aluminum to avoid electrolytic decay. In
situations where the aluminum clips could come in contact with
another metal, they will be separated by an isolation tape or
similar insulators to prevent corrosion from electrolytic decay.

11. Building Codes
Elemex panels meet or exceed the local building code
requirements of North America.

12. Availability & Costs
Elemex can arrange to ship fabricated metal products anywhere
in North America.

elemex®
Architectural Facade Systems
530 Admiral Drive,
London, Ontario, Canada N5V 0B2
Toll free: 1-844-435-3639
info@elemex.com   www.elemex.com

13. Product Technical Data

ASTM E330 Structural Performance of Exterior Windows, Curtain Walls and Doors under the influence of Wind Loads

ASTM E283 Rate of Leakage through Exterior Windows, Curtain Walls and Doors

ASTM E331 Water Penetration of Exterior Windows, Curtain Walls and Doors by Cyclic Static Air Pressure Difference

AAMA 2605 Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels

ISO 9001:2000 Quality Management

CAN/ULCS114:2018 Standard Method of Test for Determination of Non-Combustibility in Building Materials

14. Warranty

Standard 1 year construction & 20 year paint warranty.

15. Maintenance

To keep aluminum architectural components attractive, a maintenance manual is available upon completion of the project. The frequency of cleaning will depend on:
- Environment atmosphere and pollution concentration
- The accumulation of debris on the aluminum finish due to weathering

Cleaning Methods:
Duranar Finishes:
Duranar coatings require very little maintenance. Most surface residue may be removed using conventional detergents or solvents. Harsh chemicals or solvents and abrasive materials must not be used on Duranar coatings. Minor scratches can be touched up with a specially formulated air-dry flurocarbon coating system - Duranar A.D. (contact a PPG industrial Product Sales Office for further information).

Anodized finishes:
Wash with clean warm water; dry with a soft cloth.
Wash with mild soap or detergent and water; scrub with a stiff bristle brush; rinse and dry.
Apply solvent-type cleaner (kerosene, turpentine); rinse to avoid streaks and dry.
Use a proprietary polish cleaner as directed by the manufacturer; rinse to avoid streaks and dry.
Apply a mild abrasive cleaner with a damp cloth (jute is very effective) or soft brush; rinse with soap and water, then with clean water.

Note: Before attempting cleaning consult Elemex for a suggestion on the proper means of action.

Refer to the appropriate AAMA literature for more detailed cleaning data i.e.. suggested frequency of cleaning etc.

16. Technical Services

Elemex can provide consultation suggestions for preliminary design right through to product application, including the following: Advice for both new work and retrofit applications, Finish samples, Specification assistance, Shop drawings.

17. Related References

A.A.M.A. technical literature is available from the American Architectural Manufacturers Association. For referenced ASTM standards, visit the ASTM website at www.astm.org or contact ASTM Customer Service at service@astm.org.

18. Features and Benefits

Climate Defiant

UV Resistant

Weatherproof

Endless Versatility

Completely Customizable

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TTC Museum Station

Slater Alt Hotel

Pan Am Games Village

elemex

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