

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.

6. Finishes

The following aluminum finishes are offered as standard by Elemex
Painted Finishes: PPG Duranar[®] fluorocarbon 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 plate 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.



Architectural Facade Systems

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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 fluoro-carbon 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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