

1. Product Name

Ceramitex[®] Sintered Ceramic Facade System

2. Manufacturer

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

Elemex[®] Architectural Facade Systems is the custom manufacturer of the Ceramitex Sintered Ceramic Facade System.

3. Product Description

Basic Use

A pressure equalized Rear Ventilated Rainscreen system for exterior or interior wall panel for new construction and/or renovation for commercial or residential. Some typical uses include: exterior facades, fascia panels, spandrel panels, beam and column covers, wall trims, accent panels and signage. Limitation: Non-load bearing use only.

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

Ceramitex Sintered Ceramic Facade System was developed using superior components to produce a high-strength wall cladding. The panel consists of a sintered ceramic slab manufactured with fiberglass reinforced mesh backing adhered to our proprietary Unity[®] Attachment Technology.

6. Finishes

Ceramitex surfaces are available in a variety of finishes and textures. Please visit our website www.ceramitex.com for all product finishes.

7. Sizes

Panels are available in 5' x 10' (1524mm x 3048mm), 4' x 12' (1219mm x 3657mm), and 4' x 8' (1219mm x 2438mm) in the 6mm thickness and 4.5' x 10.5' (1440mm x 3200mm) in the 8mm. Standard panel thicknesses are 1/4" (6mm) and 5/16" (8mm). Additional thickness available is 1/2" (12mm). Consult Elemex for recommended sheet size and thickness based on application. For details and additional information contact info@elemex.com.

For more information on our Elemex family of products visit: www.elemex.com



8. Installation

Installation guides, specifications and videos are available. Ceramitex must be installed by an Elemex qualified installer. Elemex can provide training and certification to local installers. For additional details on installer training contact info@elemex.com.

9. Warranty and Life Cycle

A 10-year finish material warranty (except on polished). Sintered Ceramic Panels have a 50+ year life expectancy.

10. Maintenance

Ceramitex Sintered Ceramic Facade panels have a surface that repels dirt, is graffiti-proof and is easily cleaned with soap and water. As the panels are UV- and impact-resistant, they maintain their appearance over time.

11. Technical Services

Elemex Architectural Facade Systems can provide consultation from preliminary design through system application, including the following:

- Finish and system samples
- Project optimization and budgeting
- Specification assistance
- Shop drawings and details



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12. Product Technical Data

LEED ISO 14021:1999

ASTM C1026-10 Measuring Resistance to Freeze-Thaw Cycling

ASTM E695-2003 (R2009) Standard Test Method of Measuring Relative Resistance of Wall Construction to Impact Loading

BS EN 14019-2004 Curtain Walling—Impact resistance—Performance requirements standards specification

Fire Test Data

CAN/ULC S102.2-10 Standard Method of Test for Surface Burning Characteristics

CAN/ULC S114-05 Standard Method of Test for Determination of Non-combustibility in Building Materials

NFPA 285 Evaluation of Fire Propagation Characteristics of Exterior Non-Load Bearing Wall Assemblies

CAN/ULC S134-92 Standard Method of Fire Test of Exterior Wall Assemblies

ASTM E84-16a Standard Test Method for Surface Burning Characteristics of Materials

System Technical Data

ASTM C794 Adhesion-in-Peel of Elastomeric Structural Silicone

AAMA 508-07 Voluntary Test Method and Specification for Pressure Equalized Rain Screen Wall Cladding Systems: Pressure Equalized Behavior and Water Penetration Resistance

ASTM E1233 Structural Performance by Cyclic Static Air Pressure Differential

ASTM E283-04(2012) (TAS 202-94) Rate of Air Leakage Under Specified Pressure Difference Across the Specimen

ASTM E331-00(2009) (TAS 202-94) Water Penetration by Uniform Static Air Pressure Difference

ASTM E330/E330M-14 (TAS 202-94) Structural Performance by Uniform Static Air Pressure Difference

ASTM E1886-13a (TAS 203-94) Performance by Missile(s) and Exposed to Cyclic Pressure Differentials

Florida Product Approval FL26341-R0 Approved for use inside HVHZ (High Velocity Hurricane Zone)

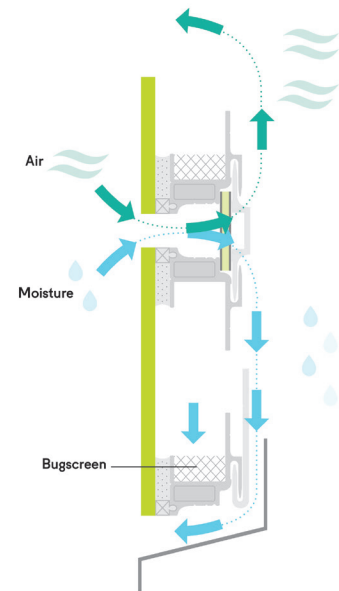
Miami-Dade County, Florida NOA No. 16-1004.05, exp September 6, 2023

General Acceptance

OTCR - Office of Technical Certification & Research (NYC Dept of Buildings) - Approved



13. Assembly Drawings



14. Features and Benefits



Code Compliant



Climate Defiant



Lightweight



Large Format



Impact Resistant



Mitered Corners



Waterproof



Graffiti Proof



UV Resistant



Scratch Resistant



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