ceramitex®

elemex®

Architectural Facade Systems



SOLSTEX®



ALUMITEX®



Scan for more!

SOLSTEX®

SOLAR FACADE SYSTEM

Genentech, Oceanside, CA

Eco-Efficient

LEED Compliance

Reliable Return / High Return

High-Efficiency

Weather Resistant

Design Flexibility

Large Format

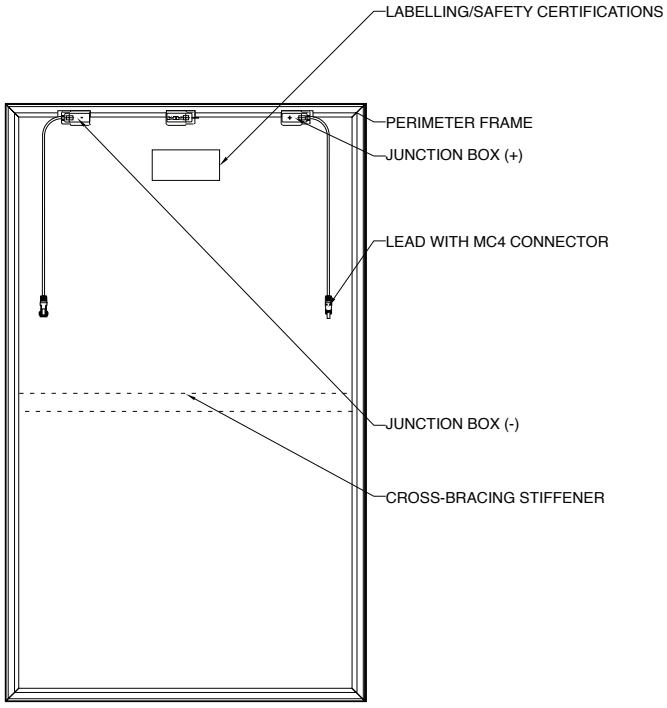
Lightweight



Efficient. Sustainable. Renewable.

With sustainable innovation, Solstex® powers your building using a solar-integrated facade that generates clean energy, while enhancing architectural design.

The Solstex® Solar Facade System by Elemex® is made from high-efficiency photovoltaic (PV) panels that are engineered to be weather-resistant and lightweight. Each large-format, code-compliant panel generates up to 16.5 W/sq.ft., reducing your building's dependence on fossil fuels, earning LEED credits, and generating savings that can cover installation costs within 10-12 years. They are designed to seamlessly integrate with other Elemex® products including: Ceramitex®, Stonitex® and Alumitex® facade systems.



Model	Nominal Power [W]	Voltage at Pmax	Current at Pmax [I]	Efficiency [%]	Open Circuit Voltage [V]	Short Circuit Current
O-Series (1000 mm x 1700 mm)	97 - 303	32	3 - 9.5 A	6 - 18	41	3.1 - 9.8 A
O-Series (1000 mm x 2000 mm)	113 - 354	39	2.9 - 9.1 A	6 - 18	49	3 - 9.41 A

Product Specifications

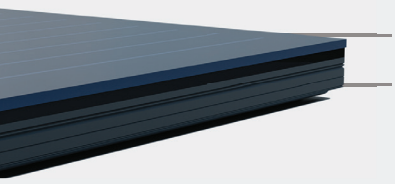
Composition + Materials

Solstex® Solar Panels consist ofcrystalline silicone technology encapsulated between 2 sheets of heat-strengthened glass, adhered to our proprietary Unity® attachment technology.

Standard Panel Size (actual face size of panel):
Solstex® O-Series - 39 3/8" x 67" (1000 mm x 1700 mm)
Solstex® O-Series - 39 3/8" x 78 3/4" (1000 mm x 2000 mm)

Watts / Panel: Solstex® O-Series - Up to 356 W (Standard Size)

Standard Measurements:



O-Series - 10/32" (8 mm)
System depth - 31/32" (50 mm)

Weight: Approximately 5 lbs/sq. ft. (depending on chosen panel)

Finish: O-Series - 5/32" (4 mm) Tempered Low-Iron Glass with a Tempered Glass back.

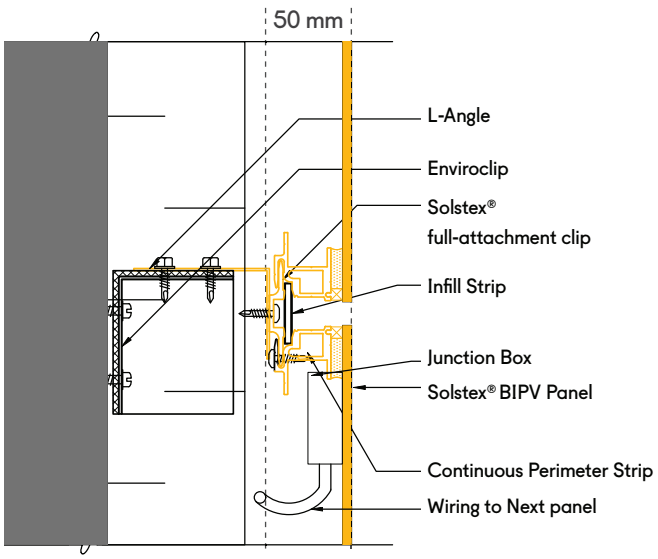
Warranty

Product Finish: 10-year panel manufacturer warranty against any defect in material or manufacture.

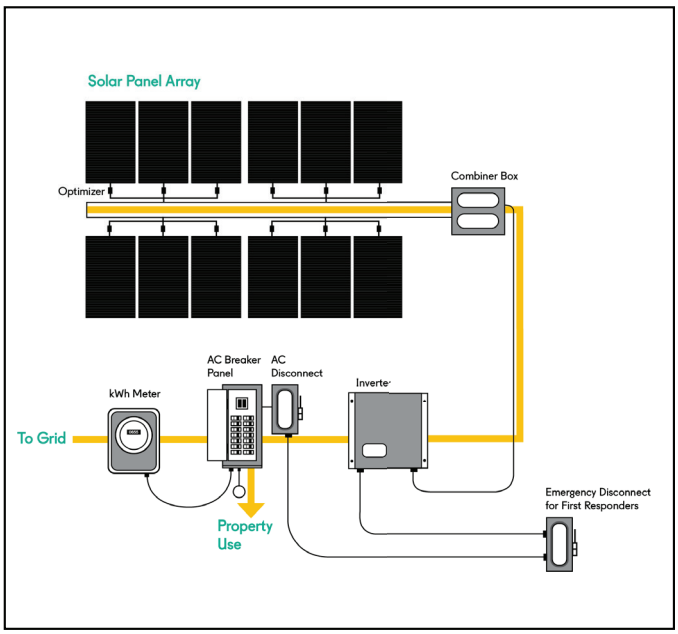
Materials & Workmanship: 1-year system manufacturer warranty against defects or deficiencies from date of substantial completion.

Power Production: 25-year manufacturer warranty ensuring power production is at 80% or higher after 25 years from date of electrical connection to local use, storage, or grid.

Typical Attachment System:



Typical Electrical System:





SOLSTEX®

Color Options



Standard Black



Standard Black
(With Acid Edge)



Anthracite

White

Polar White

Lime White



Grey



Polar Grey



Clay



Ocher



Sand



Terracotta



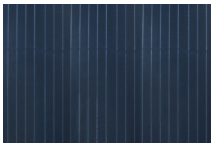
Corten Steel



Coral Brown



Marble Brown



Deep Blue



Blue



Green



Intense Green

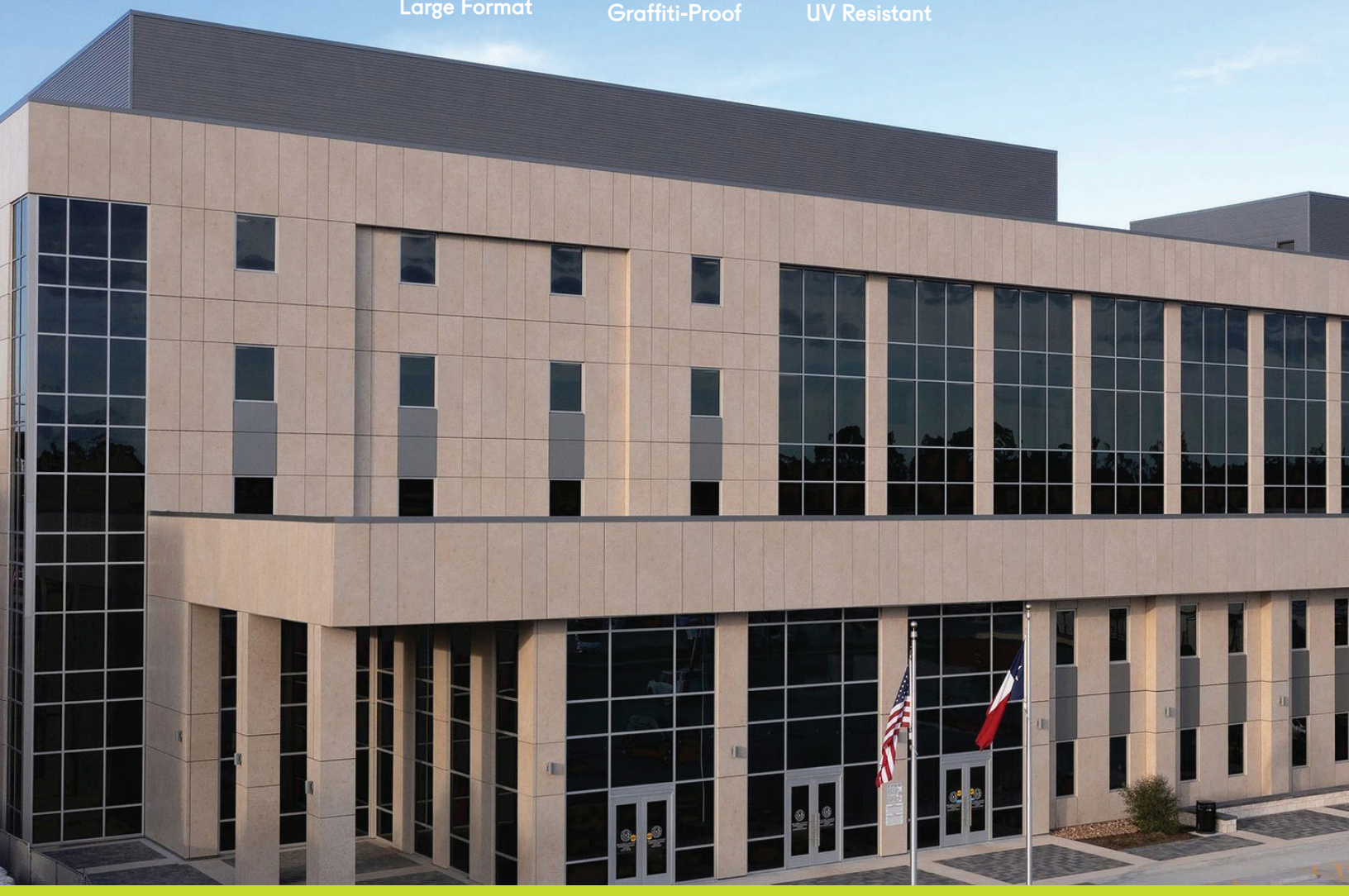
In partnership with onyx SOLAR

Elemex® is proud to partner with Onyx Solar, a global leader in photovoltaic glass technology with over 15 years of experience and 500+ projects worldwide. This collaboration enhances Solstex®, our cutting-edge building-integrated photovoltaic (BIPV) facade system, designed to harness the power of the sun while offering unmatched design flexibility.

ceramitex®
SINTERED CERAMIC FACADE SYSTEM

Brazoria County Courthouse, Angleton, TX

Lightweight
Code Compliant
Climate Defiant
Impact Resistant
Mitered Corners
Waterproof
Scratch Resistant
Large Format
Graffiti-Proof
UV Resistant



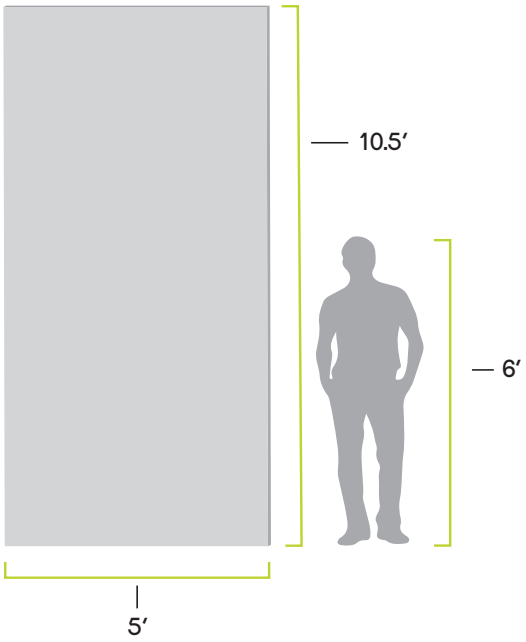
Strong. Beautiful. Resilient.

Introducing Ceramitex®, the sintered ceramic facade system that simply outperforms.

Product Specifications

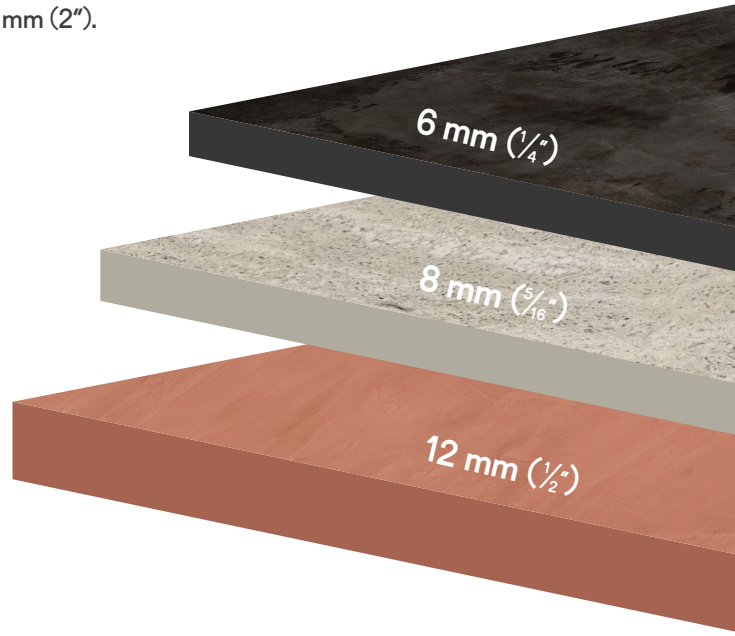
Composition + Material

Ceramitex® sintered ceramic panels consist of a sintered ceramic slab manufactured with a fiberglass reinforced mesh backing that is adhered to our proprietary Unity® attachment technology.



Sizing + Details

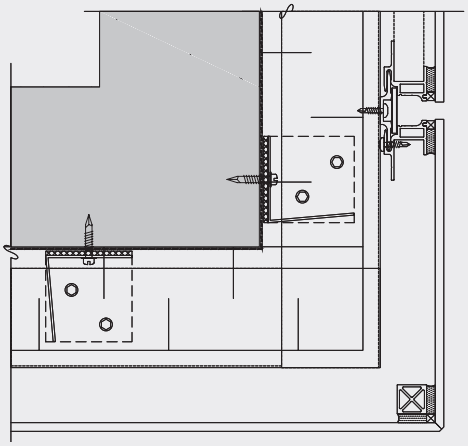
Panels are available in sizes up to 5′ x 10.5′ (1500 mm x 3200 mm) with a 6 mm (¼″) thickness and 4.5′ x 10.5′ (1440 mm x 3200 mm) with an 8 mm (5⁄16″) thickness. Additional thickness available in 12 mm (½″) . Nominal system depth 50 mm (2″).



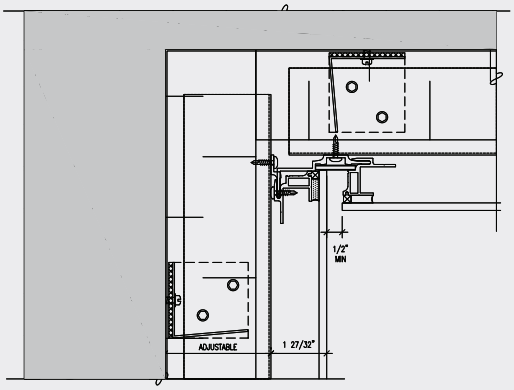
Mitered Corners

Mitered corner panels are custom cut and appear seamless. These corner pieces are required to be constructed with sintered Ceramic slabs 6 mm (¼″) or thicker.

Typical Outside Mitered Corner



Typical Inside Corner



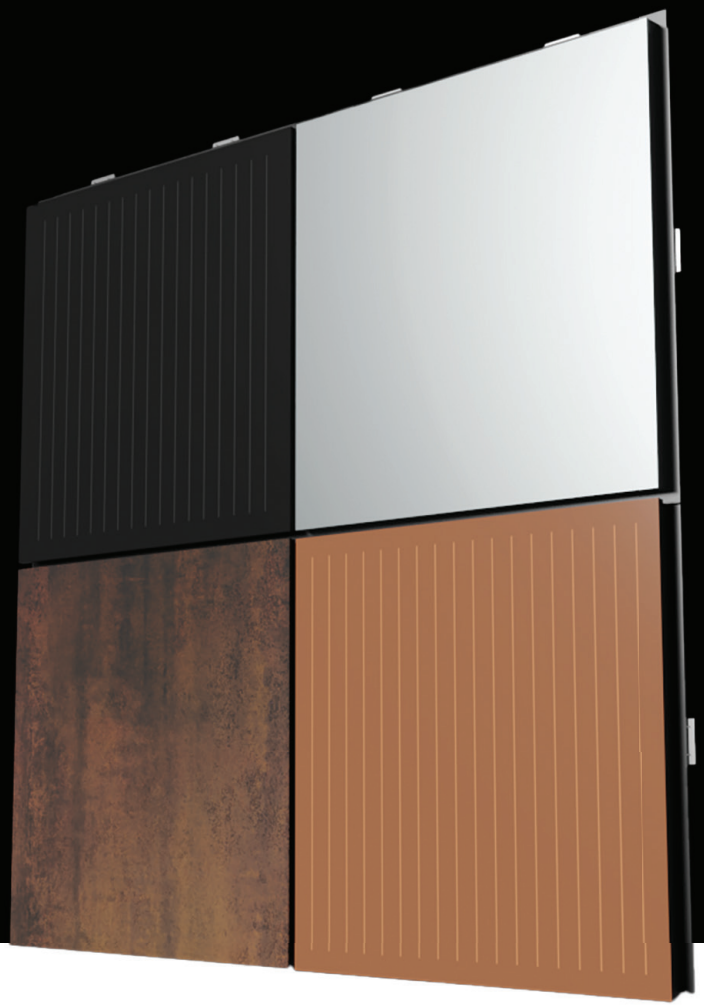
UNITY®

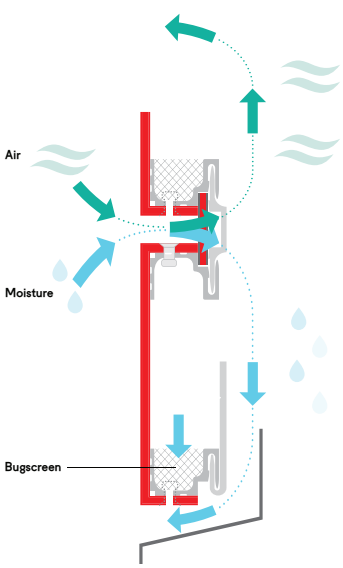
One Technology. Built on Trust.

Our proprietary Unity® attachment technology is engineered to work with all of Elemex's exterior cladding surfaces to create all-in-one superior facade systems. Unity® technology allows for seamless integration of a variety of facade panels on the same attachment platform.

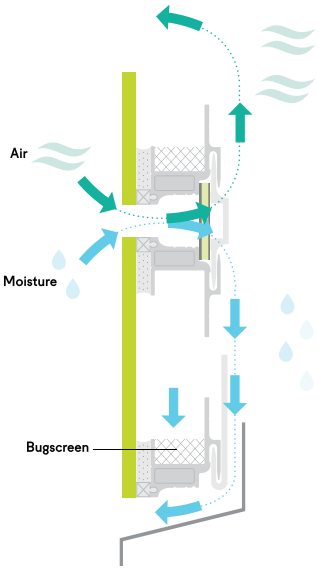
Unity® supports both simple and elaborate projects; from flat panels to more complex. Engineered for complete architectural design control, Unity® brings it all together.

Seamless. Integrated. Unified.





ALUMITEX®



CERAMITEX®

SOLSTEX®

Rear-Ventilated Rainscreen (RVR)

Our Rear-Ventilated Rainscreen (RVR) System breathes freely and prevents water from being forced the joints in through.

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.

elemex®

Architectural Facade Systems

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