

1. Product Name

Solstex[®] - Solar 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
Solstex[®] Solar Facade System.

3. Product Description

Basic Use

A pressure equalized Rear Ventilated
Rainscreen system for exterior wall panel for new
construction and/or renovation for commercial or residential.
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,
Natural Stone, Solar and other specialty veneers.

5. Composition and Materials

Solstex[®] Solar Panels consist of crystalline silicone technology
encapsulated between 2 sheets of heat-strengthened glass,
adhered to our proprietary Unity[®] Attachment Technology.

6. Finish

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

7. Watts/Panel

Solstex[®] O-Series - Up to 295 W

8. Size

Solstex[®] O-Series - 38.375" x 67" (1000 x 1700)
Custom sizing available on request.
For details and additional information contact info@elemex.com.
For more information on our Elemex[®] family of products visit:
www.elemex.com

9. Installation

Specifications are available. Installation for Solstex[®] is similar to
other Elemex[®] systems and 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.

10. Warranty and Life Cycle

A 1-year manufacturer, 10-year limited surface warranty.

11. Maintenance



Solstex[®] - Solar Facade System has a surface that is easily
cleaned with soap and water. As the panels are UV-resistant,
they maintain their appearance over time.

12. 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
- Solar Sizing + Design
- Power Generation Forecasting
- Applicable Incentives/Certifications



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13. Product Technical Data

IEC 61730-1 – Photovoltaic Module Safety Qualification – Part 1: Requirements for Construction (Class II 2016 rating)

IEC 61215 – Terrestrial Photovoltaic Modules – Design Qualification and Type Approval

IEC 61701 – Salt Mist Corrosion Testing of Photovoltaic Modules

IED 60068-2-68 – Environmental Testing – Dust and Sand Resistance

Long-Term Sequential Testing – Sequential Stress Testing with Thermal Cycling in Between

Thresher Test – Electrical Testing after Various Environmental Conditioning

PID Resistance – Potential-Induced Degradation Resistant

Modified ASTM C794 – Adhesion-in-Peel of Elastomeric Structural Silicone (in progress)

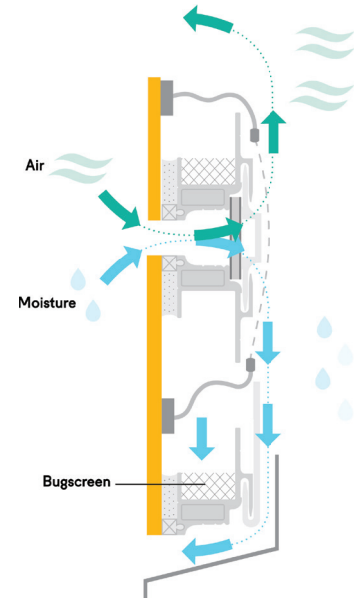
Fire Test Data

UL 1703 – Standard for Flat-Plate Photovoltaic Modules and Panels (1000V listing)

System Technical Data

UL 2703 – Mounting Systems for use with Flat-Plate Photovoltaic Modules

14. Assembly Drawings



15. Features and Benefits



LEED Compliance



Reliable Return/
High Return



Design
Flexibility



Eco-Efficient



High-Efficiency



Weather-Resistant



Large Format



Lightweight



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