



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 thin-film CdTe technology or
crystalline silicone technology encapsulated between 2 sheets
of heat-strengthened glass, adhered to our proprietary Unity®
Attachment Technology.

6. Finish

F-Series - 1/8" (2.8 mm) heat-strengthened glass that presents
as a gloss black.

K-Series - Made with 5/32" (4mm) Kromatix™ colored front
glass with an opaque back glass.

7. Watts/Panel

Solstex® F-Series - 440-470 W
Solstex® K-Series - 263-289 W

8. Size

Solstex® F-Series - 48.5" x 79" (1232mm x 2009mm)
Solstex® K-Series - 39.56" x 66.14" (1005mm x 1680mm)
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)

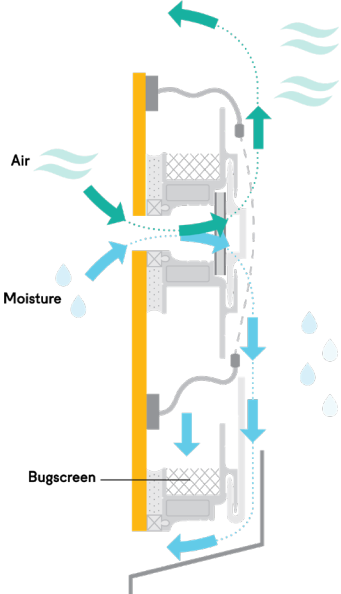
Fire Test Data

- 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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