

Quantify the benefits of window film before you buy

Solar Gard® window films provide one of the top energy saving solutions available for your building. It can be installed quickly and professionally, allowing you to begin realizing your energy saving goals without delay.

Using the Solar Gard Energy Toolbox, your dealer can estimate your long term energy savings and a projected payback period based on your film choice. And, rebates and tax credits can be applied to offset initial costs, accelerating your return on investment. Long term savings and comfort benefits go on for years.

When considering your film options, examine multiple factors and performance specifications. Custom reports generated by the Solar Gard Energy Toolbox help you quantify energy savings and comfort enhancements, providing you with data and recommendations for film installation.

Energy modeling

Solar Gard Technical Services Group utilizes a sophisticated energy modeling process that simulates projected energy savings due to window film installation. Energy analysis report provides an anticipated return on investment (ROI) payback

schedule for window film projects before film is applied, assuring you that energy savings will be achieved.

To help our dealers provide energy analysis services Solar Gard Technical Services has developed an Energy Toolbox to analyze your needs and generate reports that illustrate how different films will perform, so that you can make an informed decision. After looking at scenarios and data from your project, an energy-saving window film strategy is recommended. Technical Services can also suggest tools for validating the results once the film has been installed.

Toolbox software

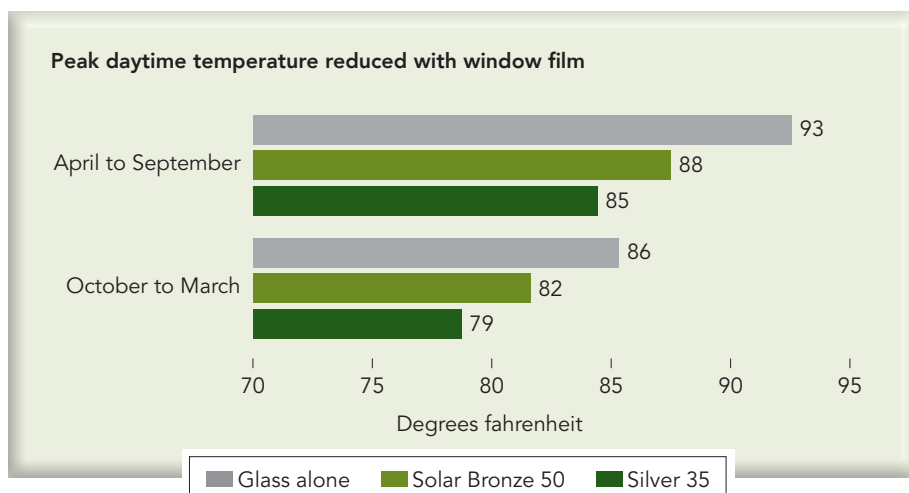
Solar Gard Technical Services has developed a suite of software to perform energy analysis on a variety of structures, from small offices to large complex commercial buildings. For highest accuracy, the software is selected for each project individually, based upon the type of building, its size and shape, the type of windows and the facades.

Toolbox services

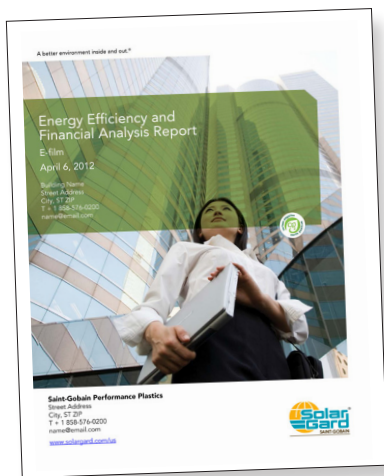
The Solar Gard Technical Services team has comprehensive experience and knowledge in the field of energy. The team's qualifications include IWFA certification, LEED (Leadership in Energy and Environmental Design) certification, testing experience and energy simulation experience. Technical

Services can provide a full range of services, including:

- Energy modeling
- Recommendations for the most cost effective or efficient approach to energy projects
- Up to date information on energy legislation, such as:
 - Tax rebate programs
 - Utility rebates
 - Government legislation such as EPAct
 - U.S. Green Building Council's LEED points from installing window film



Peak temperatures are reduced by 8 degrees after window film installation. Energy expenditures are greatly reduced, especially in the summer when less air conditioning will be needed to keep the building cool.



An example of the report which Technical Services provides to users of the Energy Toolbox.

The Solar Gard Technical Services team uses reliable, industry approved standards for all calculations. DOE-2 and ASHRAE 90.1 calculation procedures drive all Solar Gard building information modeling.

Toolbox industry standards

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Toolbox process

If you need a energy analysis report to justify your window film purchase, request an analysis from your local Solar Gard dealer. You will be asked to provide the following information to complete the request:

- Location of the building and building orientation (N, S, E, W)
- Number of stories and number of occupants
- Floor area and shape
- Type and construction of walls, floor and roof
- Glass area for each facade and shading of windows from awnings, trees, etc.

- Type of heating and cooling system, including power and efficiency
- Location of vents and thermostats as well as the thermostat settings

Technical Services Consultants will choose the appropriate resources and tools to complete the simulation. In certain instances, multiple scenarios can be run to evaluate different options.

As ROI analysis becomes the norm rather than the exception for commercial building projects, consider the Solar Gard Energy Toolbox to help shorten approval cycles or to meet tax credit or rebate requirements for energy-saving window film.



On the Orlando Radisson, Solar Gard window film rejects up to 75% of the sun's total solar energy and almost 100% of ultraviolet light. Approximately 70,000 square feet of Solar Gard Stainless Steel 10 was installed. In addition to the 20% reduction in energy usage, there was reduced heat gain and glare, and increased protection against fading of the furnishings inside the hotel.

www.solargard.com/us

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PDF0171 04/12
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