A better environment inside and out.®

Energy Efficiency and Financial Analysis Report

Capshot

July 9, 2012

Nottingham
HQ Building

Silver 20

Re: HQ Building

Dear Mr Brown,

Thank you for the opportunity to perform an Energy Efficiency and Financial Analysis on your building. Solar Gard® solar control architectural film is a proven Energy Conservation technology with great Environmental Sustainability and Business benefits. We hope it will allow you to make a more informed decision regarding the purchase of Solar Gard energy control film.

Your dedicated Solar Gard Energy Conservation Team has generated the following estimated savings and benefits for your building:

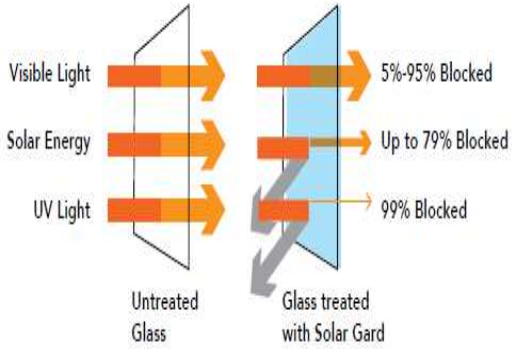
Simple Payback: 2.8 years

	Annual	Warranty period
kWh reduction	**47,078**	**470,780**
Energy cost savings (£)	**5,649**	**56,490**
Carbon emmissions reduction (kg CO^2)	**35,607**	**356,070**

Carbon emission reduction is equivalent to	Annual	Warranty period
Barrels of oil saved	**82**	**819**
Planting tree seedlings	**912**	**9,115**

Block over 99% of harmful ultraviolet light
Glare reduction and added privacy
Reduces computer monitor glare and eye strain
Creates uniform exterior appearance

Solar Gard blocks harmful rays while letting visible light through.



Practically invisible when installed onto glass, Solar Gard window films reject high levels of solar heat – offering you strong protection against bothersome glare, uncomfortable hotspots, and uneven temperature fluctuations. You'll feel an immediate difference upon installation. Solar Gard window films allow you to work with your blinds wide open, without excessive solar heat you'd expect.

Energy Analysis Modeling

By submitting the glass types, area of glass surfaces and the orientation of glass, you have enabled us to conduct an energy analysis using a program called CapShot. CapShot software uses your building information, your regional weather information, your estimated HVAC efficiency and electricity cost to calculate energy saved by the Solar Gard film (kWh) and financial result shown above.

We have assumed the following information in the Capshot energy analysis:

Solar Gard Silver 20 installed to all Double pane clear glass surfaces	
• Total install cost:	£15,625
• North facing glass:	0 square meters
• East facing glass:	200 square meters
• South facing glass:	200 square meters
• West facing glass:	200 square meters
• Skylight facing glass:	25 square meters
• HVAC efficiency:	10 SEER
• Averaged electricity cost:	£0.12 /kWh
• Radiation profile for:	UK, Manchester

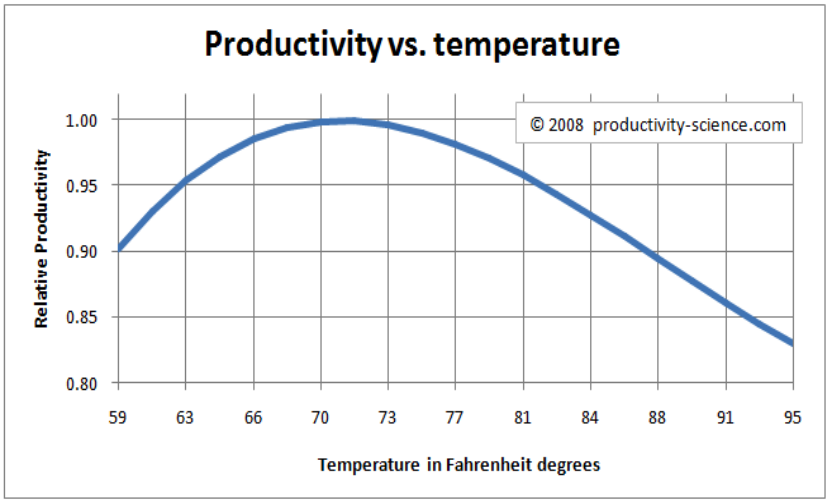
Productivity vs. Temperature

Scientific studies confirm that indoor temperature can significantly impact on productivity and most performing 'comfort zone' lays between 72° F (22°C) and (77°F) 25°C. The graph below is from research by Helsinki University of Technology and Lawrence Berkeley National Laboratory. Read report here:

http://energy.lbl.gov/ied/pdf/60946.pdf

Solar Gard Silver 20 architectural film can help reduce the Solar Energy and Heat inside your building which can reduce your cooling load and help you keep your occupants more comfortable and productive.

Effect of Temperature on Task Performance in Office Environment' shows how relative productivity changes with the temperature.

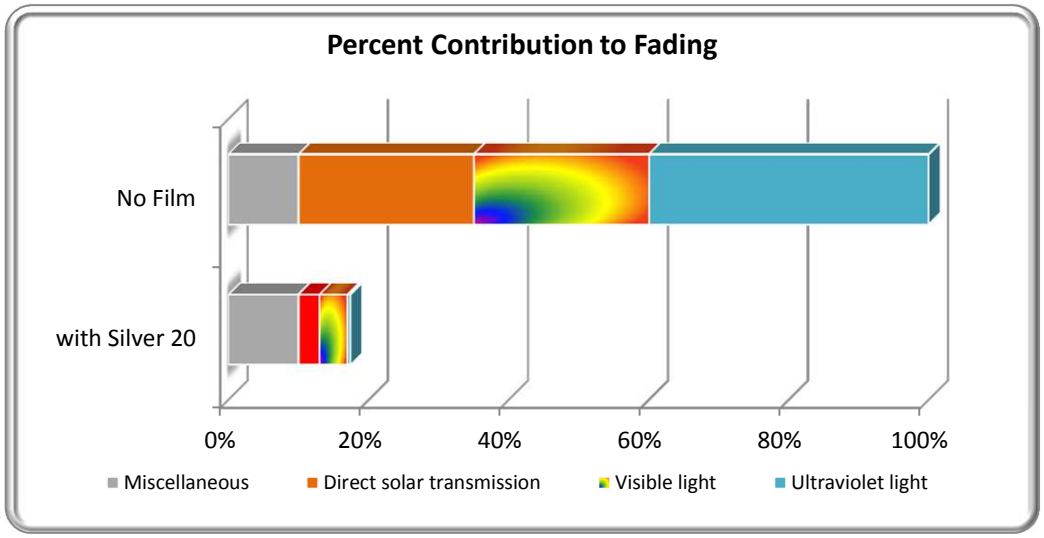


Glare Reduction

The Solar Gard energy control film will not only provide the estimated energy savings detailed above but will also reduce glare. This is an important benefit because it can cut computer monitor glare, reduce the use of blinds and other window coverings, letting in natural light and adding to a building's aesthetics. It can also help reduce light pollution in the night sky.

Fade Reduction & UV Protection

The Solar Gard energy control film also reduces fading by blocking up to 99% of ultraviolet radiation (UV). Fade reduction will reduce the rate at which interior furnishings such as carpeting and furniture need to be replaced. Solar Gard films help by filtering visible light, rejecting solar heat and blocking over 99% of harmful UV light – significantly reducing fading damage potential.



Next Step

We thank you for working with Solar Gard on your Energy Conservation Project and look forward to hearing from you to make this project a great success. Should you have any questions regarding this report, please contact:

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Disclaimer

The following report (the “Report”) has been generated by software belonging to Saint-Gobain Solar Gard LLC (“Solar Gard”) and is provided to you for information purposes only.

The Report is based on the information provided by you and is based on simulated conditions inside and outside the building. Actual weather patterns and temperatures inside and outside the building may vary significantly from year to year.

This Report is not meant to be representative of the conditions of any other climate zone or any other building and it is not predicative of future conditions.

Therefore, all data contained in this Report are estimates only. Reliance upon this Report is in any way at your sole risk.

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