



## Case Study: Residential Solar Control Window Film

*Creating a better environment for home occupants - London, UK*

### THE PROBLEM

During April 2013, the parents of a young baby were concerned for their baby's health when bedroom temperatures would increase rapidly on sunny days. Internal wooden shutters re-radiated heat into the room when closed, and so consequently the sun's heat passed into the bedroom. The energy saving double glazing then helped to retain this heat in the bedroom, resulting in increased room temperatures. An internal film had been installed on the internal face of the energy saving glazing. However, the client removed the film when the internal pane became very hot.

### THE SOLUTION

An almost clear external grade film was installed onto the exterior surface of the glazing. Window Film prevents rapid changes in room temperature by rejecting infra-red energy from the sun before it enters the glazing system. Infra-red heat contributes to warmer inside temperatures even on winter days. As well as helping to reduce fading of furnishings, this reduced UV transmission can also help reduce the risks of skin damage. The natural lighting level remained high, and the appearance of the home was effectively unchanged. The Window Film installed contained no metallic coatings, which allowed the normal use of mobile phones and WiFi systems.

### THE RESULT

Rapid temperature fluctuations were eliminated thanks to the Window Film installed. The internal pane is much cooler. The clients were confident that the room is now more comfortable and safer for their baby. They stated: *"The natural lighting level remained high, and the appearance of the home was effectively unchanged."*

For a better understanding of how Window Film can help tackling a number of problem situations, please visit our website: [www.ewfa.org](http://www.ewfa.org)



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#### ABOUT EWFA

Established in 2000 by major Window Film manufacturers, the European Window Film Association represents and seeks to further the interests of the Window Film industry. It brings together manufacturers and distributors with the purpose of promoting Window Film products in the EU and highlighting their innovative performances and properties as well as introducing the concept of EU harmonised or EU endorsed Window Film standards as no such standard presently exists. In 2016, EWFA became the European chapter of the International Window Film Association ([www.iwfa.com](http://www.iwfa.com))