Notice

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Solar Gard window films reduce a building's carbon footprint more effectively and for less money than new windows RSS

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Bekaert Specialty Films' Solar Gard® architectural solar control window films significantly reduce greenhouse gas (GHG) emissions, and subsequently the carbon footprint, of most commercial and residential properties that use air conditioning. They are the first building improvement products made in the U.S. to measure and report their carbon footprint.

By reducing the amount of energy used to cool commercial and residential properties, Solar Gard window films help decrease carbon dioxide levels in the atmosphere and achieve zero energy building goals.

Solar Gard window films are carbon negative in the UK, which became the first European country to legislate on carbon reductions with its CRC (Carbon Reduction Commitment) Energy Efficiency Scheme. On average, Solar Gard window films are carbon neutral within one year of installation.

More efficient at rejecting solar heat than low-e coatings on glazing, Solar Gard window films are both carbon-effective and cost-effective, reducing a building’s carbon footprint more effectively and for less money than new windows.

In fact:
* One square meter of a low-e wood window, the type with the smallest carbon footprint, has a carbon cost of 253 kilograms. The carbon cost of Solar Gard window film is less than one kilogram per square meter.
* Solar Gard window film saves 1001 times more GHG emissions from entering the atmosphere than is used and/or created during its manufacture.
* Solar Gard window film installed globally between 2007 and 2008 saved 3.6 million tons of CO2 from entering the atmosphere; this is equivalent to the carbon output of approximately 30,000 British families (with four people) during the same period.

Solar Gard’s impact on the reduction of global carbon emissions is enormous because heating and cooling systems in buildings produce significant levels of GHG emissions. Improved fenestration can lower energy consumption and GHG emissions by 10-40 percent in both commercial buildings and homes, and an installation of Solar Gard window film transforms standard glass into high performance windows.

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