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Tint Man Tips

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Tip: Explaining the Energy Savings properties of Dual Reflective Films
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Energy is expensive. Whether gas or electricity, the cost keeps going up while you try to use less. Did you know that your windows, a vital part of any building are actually costing you? In the colder months, they lose heat and in the warmer months they allow heat in, causing your energy bills to increase.

Per the Department of Energy, heat loss from standard windows are estimated to be anywhere from 25% to 30%. The properties found in window film can help reduce heat loss in the winter as well as reduce temperature transfer in the warmer months. Having window film installed will also lessen the strain on your HVAC system, lengthening its life span.

When attempting to explain how window film can achieve energy savings, it is important to focus on two specific numbers which are standardly reported in the glass and window industry, U Factor and Solar Heat Gain Coefficient. Comparing the difference in numbers before and after dual-reflective window film is applied normally gets the point across.

Reduction of Heat Loss is represented by the U Factor: measured from .20 to 1.20; the lower the U Factor the better the window is at keeping heat inside. The insulating properties of window film can help reduce heat loss during the winter months; a standard single pane 1/8" window has a U Factor of 1.04. The application of a dual-reflective window film can reduce this to .95.

Reduction of Solar Heat is represented by the Solar Heat Gain Coefficient (SHGC): measured on a scale of 0-1, the lower the SHGC the more efficient the window becomes at stopping solar heat transfer during warmer months. Infrared light is heat we feel coming through the windows, which has a large impact on cooling costs during warmer months. A standard single pane 1/8 "window has a SHGC of .86; once window film is installed this number can be lowered to as little as .27.

Johnson Window Films' dual-reflective films ScenicView and NightScape are excellent choices to improve your energy efficiency. Examine our specifications sheet where you will find all the information you need to make an informed decision.

Best Regards,

THE TINT MAN

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