

Leading Window Manufacturer Describes the Benefits of Triple Pane Windows

Intus Windows, a worldwide leader in energy efficient windows, says that triple pane windows can greatly reduce or eliminate convection.

NEW YORK, NEW YORK, UNITED STATES, September 23, 2014 /EINPresswire.com/ -- "Sitting next to a [triple pane window](#), while looking out on a cold winter day, people immediately notice the benefits of the product," explains Aurimas Sabulis, managing director of Intus Windows (<http://www.intuswindows.com/>), a worldwide leader in the manufacture of triple pane windows. "There is no cold draft and the interior pane is warm to the touch."

For comparison, Sabulis notes that when in the same setting, with a typical dual pane window, one will most certainly feel a draft near the window, particularly on cold winter days. This phenomenon, according to Sabulis, is known as "convection." Warm air is less dense so it rises, but when it contacts the cold interior double pane glass, the air becomes cold and the dense air sinks to the floor. This cycle repeats itself and, as the air inside the room becomes colder, it begins to pick up speed as it sinks down past the window onto the floor. As the cold air sits at the floor level, it is pushed by the next incoming cycle of cold air, and pushed towards the center of the room.

"This convection process is what creates the draft that can be felt in a room on a cold winter day," Sabulis says. "So, in essence, the draft is not actually outside air coming into the home, but the warm conditioned air of the home being cooled rapidly by the interior glass, creating a circular convection loop which creates the cold breeze or draft."

In the convection process, according to Sabulis, the interior glass is stripping away and cooling the heated conditioned air



Intus Window



Premier 78 window



Intus Windows

of the home. The convection loop cycle is the reason why HVAC registers are often placed near windows.

“An Intus triple pane window will greatly reduce or eliminate convection,” Sabulis says. “This is accomplished by the high R-Value of an Intus triple pane window and the third pane of glass in the window.”

Sabulis says that the surface temperature of the interior third pane of glass will be close to the interior room temperature, unlike a double pane window. Since the glass surface temperature is no longer as cold, it eliminates or greatly reduces the convection cycle.

“You can sit next to a triple pane window on a cold winter day and the air draft effect or convection will not be felt,” Sabulis concludes. “A triple pane window not only improves the energy efficiency of your home, it also improves overall comfort.”

Intus Windows (<http://www.intuswindows.com/>) is a pioneer in manufacturing and distributing super [energy efficient windows](#) and doors in the United States. Driven by technology, innovation, and continuous progress Intus Windows energy-efficient windows, doors, and curtain walls lines will fit any commercial, residential or industrial application, and they are Passive House Certified and suitable. For the past 21 years the company has manufactured and installed more than 800,000 [windows and doors](#) all over the world, with main export markets in Scandinavia, Central and Eastern Europe. Today, with a manufacturing facility in Lithuania, Intus has entered into the super energy-efficient window market here in the United States. For more information, call 1-888-380-9940.

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