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## THERMIQUE HEATED GLASS COMFORTS BURN WARD PATIENTS

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### *Eliminates Painful Chills and Drafts*

**CHICAGO, Ill. (May 15, 2008)** — Thermique Technologies introduces high-tech heated glass for window units in healthcare facilities, particularly burn wards where patients are especially sensitive to cold air and air currents. Thermique™ heated glass eliminates the chills and drafts commonly associated with ordinary windows. With Thermique, each window doubles as a transparent radiator, providing energy-efficient heating without ducts or blowers.

#### No More Chills

In cold weather, unheated windows literally steal heat from nearby objects or people. Anyone within ten feet of the glass will feel the chill. For burn victims, these chills can be quite painful. A warm window will radiate warmth into the room, not steal it.

#### No More Air Currents

Any movement of air across the skin of a burn patient also causes pain. Heated windows can eliminate unwanted drafts and air currents. First, they reduce or abolish the need to use a traditional HVAC system that is blowing air into the room. Second, they prevent chilly drafts that are commonly associated with cold glass. In winter weather, even the most advanced unheated window unit will be significantly colder than room temperature. The cold glass will cool the surrounding air, creating a temperature imbalance in the room. The cold air sinks as the warm air rises, and convective air currents fill the room. With heated glass, there is no temperature imbalance to create painful drafts.

#### No More Condensation

Burn patients are not the only healthcare facility guests who can benefit from Thermique heated glass. Eliminating chills and drafts creates a more comfortable indoor environment for all patients and staff. Plus, condensation does not form on Thermique heated glass while the power is on. The view from the window remains clear of fog and frost so patients are always connected to the outdoors, even from a hospital bed. This helps reduce feelings of confinement and isolation during treatment.

More importantly, moisture on windows can provide a breeding place for mold and bacteria. Thermique heated glass eliminates condensation to help prevent these problems. Thermique Technologies is the only company with UL® approval to provide heated glass for architectural windows.

#### Energy Savings

Thermique heated glass can also provide energy savings for a healthcare facility. When patients and staff feel a chill or draft created by a cold window, they are likely to turn up the thermostat to

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compensate. This wastes considerable energy. Windows with Thermique heated glass allow healthcare facilities to keep the thermostat at a lower setting. Independent scientific studies indicate the amount of energy saved by lowering the thermostat is greater than the amount of energy used to heat the glass—resulting in an overall reduction in energy consumption and utility bills.

#### Assisted Living Facilities

Thermique heated glass can benefit elderly patients at assisted living facilities as well. As people age, they are more likely to feel cold and have difficulty generating body heat. They may also have limited mobility to go outside, making windows particularly important for their happiness and health. In addition, the elderly may be more sensitive to mold and bacteria that can grow in the condensation that forms on window glass. Thermique heated glass keeps windows clear of condensation while providing warmth and comfort to the indoor environment.

“We’re proud to provide healthcare facilities with a new technology that gives comfort to their patients and helps them along the road to happiness and recovery,” said George Usinowicz, architectural representative for Thermique Technologies. “Thermique heated glass can be extraordinarily beneficial to people in poor health, especially those who are confined to a room or may be extremely sensitive to cold air.”

To produce Thermique heated glass, a transparent metal oxide coating is bonded to ordinary float glass during the manufacturing process. An electrical current is supplied by two buss bars located on opposite sides of the glass. As the current travels across the coating, electrical resistance generates heat evenly across the entire glass surface. Standard electrical wiring connects the buss bars to a patented Thermique controller, which allows healthcare facilities to adjust the power level (and thus the glass temperature) at the turn of a knob. All wiring and electrical components are hidden within the wall and window frame, so the technology remains virtually invisible. Depending on the power setting, the temperature of Thermique heated glass can reach a maximum of 105° F (40.6° C).

Thermique heated glass was named among the “Best of What’s New” technologies by *Popular Science* magazine in 2005, and windows with Thermique heated glass were honored with a Crystal Achievement Award for “most innovative commercial window” by *Glass* magazine in 2006.

#### **About Thermique Technologies, LLC**

Thermique Technologies, LLC, is the global leader in the development and sophisticated application of heated glass technology. From its architectural heated glass to its heated glass towel warmers, Thermique’s patented technology enables glass to be used in ways never before imagined.

To learn more about Thermique heated glass technology and its many applications, call (312) 326-9193 or visit [www.thermiquetechnologies.com](http://www.thermiquetechnologies.com).

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