



## **Kalwall® Offers Revolutionary Daylighting Fenestration System with Nanogel® Translucent Aerogel**

February 13, 2004

### **Product Represents A Breakthrough in Daylighting With "U" Values Not Attainable With Any Other Glazing System Globally**

(Boston, MA and Manchester, NH) - February 13, 2004 - Kalwall® + Nanogel® translucent aerogel, a revolutionary fenestration system that offers an NFRC certified system U value of .10 (R-10), four times greater than insulating glass systems, with museum-quality light is now commercially available. The new Kalwall + panels filled with translucent aerogel offer the most insulating, diffuse light-transmitting technology available today. Kalwall® Corporation exclusively manufactures the product, working with Cabot Corporation (NYSE: CBT).

The Kalwall + Nanogel panel itself provides a thermal protection of U=.05 (R-20) with up to 20 percent light transmission, and improved sound attenuation, making it easier for designers to satisfy new stricter building codes. These exceptional benefits allow the system to be used as all or part of a wall or roof structure. The Kalwall + Nanogel system transmits museum-quality light that virtually eliminates glare, hotspots, and shadows.

Nanogel® translucent aerogel material is the unique insulation inside the Kalwall manufactured fiberglass skylight and wall panels. Aerogel materials are known as the best insulating and lightest solid materials in the world. Manufactured exclusively by Cabot through its patented process, Nanogel translucent aerogel is a highly light transmissive, lightweight, nanoporous material, and is permanently hydrophobic, making it both moisture and mildew resistant.

Kalwall + Nanogel skylights were installed on the roof above the heated swimming pool at the Comfort Inn, in Manchester, New Hampshire. "The Kalwall panels with Nanogel let lots of light through, and its insulation value is astounding," said Fred Bailey III, owner and proprietor, Comfort Inn. "Even in the coldest weather, we aren't losing heat through the roof."

#### **Kalwall + Nanogel Panel - Temperature Analysis -- Comfort Inn, NH Installation**

<b>Date</b>	<b>Air Exterior</b>	<b>Air Interior</b>	<b>Panel Interior</b>	<b>Panel Exterior</b>
01/07/03	25°F	82°F	74°F	21°F
2/13/03	0°F	65°F	75°F	<0°F
1/15/04	-3°F	78°F	74°F	<0°F

Kalwall+ Nanogel has already been manufactured and installed in projects in NH, WA, ID, MT, CT and overseas in the UK. Project reports are available from Kalwall and Cabot.

"Overall Kalwall panels with Nanogel's unique properties allow greater flexibility in building design," said Bruce Keller, Vice President of Kalwall Corporation. "We are confident that the Kalwall + Nanogel system will become an industry standard."

#### **About Kalwall Corporation**

Kalwall Corporation is the leader in the field of translucent building panel systems, having invented the translucent, structural building panel. Based in Manchester, NH, Kalwall is recognized worldwide for highly insulating, translucent panel technology. See [www.kalwall.com](http://www.kalwall.com).

#### **About Cabot Corporation**

Cabot Corporation is a global specialty chemicals and materials company and is headquartered in Boston, Massachusetts, USA. Cabot's major products are carbon black, fumed silica, inkjet colorants, capacitor materials, and cesium formate fluids for oil drilling. Cabot has approximately 4,400 employees in 45 manufacturing plants located in over 20 countries around the world.

[www.cabot-corp.com](http://www.cabot-corp.com)

[www.nanogel.com](http://www.nanogel.com)