

## **A Good Climate Pays Off**

### **ACRYLITE® Heatstop saves energy for air-conditioning**

Numerous studies confirm that air conditioning in buildings holds great energy savings potential. With its environmental campaign "This is what climate protection looks like," Evonik Cyro LLC shows how this potential can be realized by using ACRYLITE® Heatstop acrylic sheet for skylights.

"This sheet can help companies cut their electricity bills for air-conditioning units and reduce their carbon emissions," says Stephen Costanzo, General Manager of the Acrylic Sheet Business Line at Evonik Cyro.

Skylights offer the advantage of providing rooms with sufficient lighting using only the rays of the sun. In factory units and offices alike, that is important for employee health and job motivation. But in strong sunlight, conventional skylights may create an unpleasant working environment. The unfiltered sunlight leads to excessive heat buildup, which in turn requires the rooms be air-conditioned. Skylights made from ACRYLITE Heatstop sheet, act as an effective heat shield based on infrared reflection, which keeps interiors pleasantly cool without sacrificing daylight. According to a study conducted by Cologne University of Applied Sciences, conventional acrylic glazing increases heat buildup from solar

radiation by 40 percent as compared to ACRYLITE Heatstop sheet skylights.

"Building with ACRYLITE means building sustainably," Costanzo says. ACRYLITE Heatstop sheet, with high weather resistance, comes with a 10-year warranty.

"Companies can save energy and cut carbon emissions on a sustainable basis, and save resources too. That makes for a good climate, both on a small and a global scale," Costanzo says.

Air conditioning is the second focus of the global campaign "This is what climate protection looks like," which was launched in the spring of 2009. So far it has presented the theme of heat insulation in greenhouses with ACRYLITE® DEGLAS multi-skinned sheet. The next focus to follow will be lighting. For more information, go to [www.acrylite-and-energy.com](http://www.acrylite-and-energy.com).

**Information about the Group**

Evonik Cyro LLC is an Evonik Degussa Corporation group company. Headquartered in Parsippany, NJ, Evonik Cyro is a leading manufacturer of acrylic sheet and molding compounds, and bulk and performance monomers. CYRO manufactures and markets its acrylic sheet products under the ACRYLITE® trade name in the Americas. These same products are manufactured and marketed under the PLEXIGLAS® trade name on the European, Asian, African and Australian continents.

Evonik Industries is the creative industrial group from Germany which operates in three business areas: Chemicals, Energy and Real Estate. Evonik is a global leader in specialty chemicals, an expert in power generation from hard coal and renewable energies, and one of the largest private residential real estate companies in Germany. Our strengths are creativity, specialization, continuous self-renewal, and reliability. Evonik is active in over 100 countries around the world. In its fiscal year 2008 about 41,000 employees generated sales of about Euro 15.9 billion and an operating profit (EBITDA) of more than Euro 2.2 billion.

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