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## A Good Climate Pays Off

### PLEXIGLAS® heat shield saves energy for air-conditioning

Numerous studies confirm that air conditioning in buildings holds great energy saving potential. With its environmental campaign "This is what climate protection looks like," Evonik Röhm shows how this potential can be used. Roof glazing with a PLEXIGLAS HEATSTOP® heat shield keeps interiors pleasantly cool without sacrificing daylight. "So companies can cut their electricity bills for air-conditioning units and reduce their carbon emissions. That makes for a good climate, both on a small and a global scale," says Michael Träxler, Vice President of the Acrylic Sheet Business Line at Evonik Röhm.

Light domes offer the advantage of providing rooms with sufficient daylight. In factory units and offices alike, that is important for employee health and job motivation. But in strong sunlight, conventional light domes may create an unpleasant room climate. The unfiltered sunlight leads to excessive heat buildup and means that rooms need to be air-conditioned. Light domes made from PLEXIGLAS HEATSTOP®, on the other hand, act as an effective heat shield based on infrared reflection. According to a study conducted by Cologne University of Applied Sciences, conventional acrylic glazing increases heat buildup due to solar radiation by 40 percent as compared with PLEXIGLAS HEATSTOP® light domes.

"Building with PLEXIGLAS® means building sustainably," Mr. Träxler says. Thanks to the high weather resistance of PLEXIGLAS HEATSTOP®, the material comes with a 10-year guarantee on solar heat reflection. "That means companies can save energy and cut carbon emissions on a sustainable basis, and save resources too," Mr. Träxler says.

Air conditioning is the third focus of the global campaign "This is what climate protection looks like," which was launched in the summer of 2007. So far it has presented the themes of heat insulation in greenhouses and power-saving signage with PLEXIGLAS®. The next focus to follow will be power generation. For more information, go to [www.plexiglas-and-energy.com](http://www.plexiglas-and-energy.com).

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**Information about the Group**

Evonik Industries is the creative industrial group which operates in three highly profitable, promising 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 Industries AG is active in over 100 countries around the world. In fiscal 2006 around 43,000 employees generated sales of € 14.8 billion and operating profit (EBIT) of over € 1.2 billion. Evonik plans to enter the capital markets in the first half of 2008.

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