



Seit 1877

Kiefer

Luft- und Klimatechnik

Neue Wege mit Luft

Concrete core cooling with air CONCRETCOOL

New Office and Administration Building for Basler Versicherungen

On a site in Bad Homburg, Basler Versicherungen inaugurated its new office and administration building in September 2007. In an area of more than 15,500 m², there is space here for over 500 employees. The architects, Bieling of Kassel, have designed a building notable both for its linear architecture and its modern equipment. The five-storey building, composed of two U-shaped structures, contains 2,000 tons of steel and 13,000 cubic metres of concrete. The use of concrete core cooling permits energy-saving climate control yet still ensures comfortable room temperatures.



Photo © Basler Versicherungen

Basler Versicherungen's new office and administration building, Bad Homburg

Function CONCRETCOOL

In contrast to conventional systems, in which supply air is fed directly into the working areas, the air first flows through aluminium cooling tubes cast into the ceilings. Thereby the supply air cools the ceiling. At the same time the gain of heat is used to warm up the supply air.

System advantages

- Optimum thermal comfort
- Additional ceiling cooling with water is not required
- Free cooling provides energy savings of up to 50%
- Full flexibility due to modular positioning of cooling tubes
- Cooling with outdoor air – no air circulation required
- Construction costs reduced due to low floor height

Building:	New building for Basler Versicherungen, Bad Homburg
Architects:	Bieling Architekten, Kassel
Proprietor:	Basler Lebens-Versicherungsgesellschaft, Bad Homburg
Consultant, building services:	Protec Planungsgesellschaft, Braunschweig
General contractor:	Strabag AG, Braunschweig
Scope:	15,500 m² conditioned area
CoolingSystem:	Concrete core cooling with air CONCRETCOOL
	Per fitout module, one linear diffuser Air flow path invisibly integrated into the ceilings.
Air flow rate:	6 m³/hm²

