



OWActive mineral climate ceilings



A healthy indoor climate with a radiant atmosphere
inspired by nature

- comfortably warm in winter
- pleasantly cool in summer
- energy efficiency available at any time

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OWActive mineral climate ceilings

The direct path to a sustainably better climate

The OWActive mineral climate control ceiling is a sustainable, cutting-edge ceiling system, suitable for every sector of the construction industry and room type. Efficient room climate control and optimised building acoustics are brought together for the first time by using OWA's high-quality mineral wool.

OWActive mineral climate control ceilings make a significant contribution to reducing energy consumption, right from day one. The comfortable heating and cooling effect is a direct result of heat distribution and is inspired by nature. Significantly lower inlet and return temperatures can therefore be selected compared to conventional systems. This conserves resources and protects the environment.

Choosing this state of the art solution will allow you to make sustainable adjustments to comfort and performance without making compromises.

The difference lies in radiant energy

The indoor climate control of the OWActive mineral uses the principle of radiant heat exchange and is inspired by nature. Thanks to comfortable radiant heat, the OWActive mineral climate ceiling makes a significant contribution to our well-being.

With its combination of climate control and acoustics, the mineral climate control ceiling can replace conventional heating and air conditioning systems. The high acoustic performance values, among others, easy modification and simple retrofitting of technical building equipment make OWA mineral ceilings a relevant solution.

Benefits of OWActive mineral climate ceilings

- Climate and acoustic control integrated into one system instead of separate solutions.
- Direct radiant heat from energy rails with efficient heating/cooling and lower inlet and return temperatures.
- Lower planning and fitting costs compared to conventional systems.
- Integration of technical building equipment at any time as the mineral ceiling elements are easy to fit and modify.
- Comfortable, low-allergen indoor climate due to closed system and no convection/dust turbulence.
- Pleasant room acoustics due to high-performance, integral absorption and sound attenuation.

OWActive mineral climate control ceilings already received many prestigious sustainability awards.



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An unique operating principle

Comfortably warm in heating mode

An air-conditioning ceiling produces heat almost exclusively by supplying radiant heat into the room. The pure radiant heat from the air-conditioning ceiling converts every surface in the room into a gently heated surface. However, the air remains pleasantly fresh and is not overheated. This produces a comfortable indoor climate with less dust raising and protects the airways.

Heated water flows through the OWActive mineral climate control ceiling's energy rails.



The heat radiates directly from the energy rails onto all the surfaces in the room.



The heat is gently and uniformly reflected by all the surfaces, providing a comfortable, warm indoor climate.



Pleasantly fresh in cooling mode

During summer, walls and floors can become very hot and emit a great deal of heat due to direct solar radiation and waste heat. Using an OWActive mineral climate control ceiling transfers the heat from the overheated surfaces to the cooler air-conditioning ceiling by radiant heat exchange where it is continuously absorbed with the cooling water. The surfaces therefore cool down and emit less heat into the room. This creates a pleasantly fresh indoor climate without any drafts.

Cooled water flows through the OWActive mineral climate control ceiling's energy rails.



The water in the cool energy rails absorbs and dissipates the room's heat.



All the surfaces in the room are cooled to comfortably regulate body temperature without sweating.



OWActive mineral climate ceilings
Versatile system modules for every application

Easy to modify and highly adaptable



All information on the perfectly matched system components is available from our website: www.owa-ceilings.com and the QR code to the right.



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