

HAUTAU VENTRA®

PROJECT PROFILE



BERLIN AIR

Most Germans are familiar with the well-known operetta aria "Berliner Luft" or "Berlin air", Berlin's unofficial anthem, composed by Paul Lincke in 1904. Lincke transformed Berlin air into a synonym for a free-spirited attitude to life in Berlin.

HAUTAU provides permanent fresh air in the energy-plus house in Berlin Falkensee with the VENTRA®, ensuring fresh an improved sense of comfort for occupants. This window fan provides reliable protection against damp with heat recovery as per DIN 1946-6.



The design semi-detached houses blend perfectly into their urban surroundings thanks to their typical shape with a ridged roof. State-of-the-art technology and tasteful details make it all possible. Photovoltaic modules which help the building meet the energy-plus house standard are integrated into the roof on the south façade. Each dwelling in the building features enough space for a family of four. What's more, it's barrier-free. This is a high-comfort house which leaves nothing to be desired even from a ventilation technology perspective thanks to the VENTRA®. VENTRA® does not detract from the appealing architecture of the building in any way whatsoever. Thanks to its compact dimensions and its modern design, it makes a perfect fit in both the façade and the interior.

Protection against damp with heat recovery to ensure well-being in every room

Magdeburg-based architectural studio AW GmbH included 18 decentralised VENTRA® window fans in the design.

Architectural studio AW GmbH in Magdeburg

specialises in custom-designed architectural buildings with an integral design and energy concept. Managing Director Andreas Weinert handles all planning stages, including the interior design, as a personal contact partner. His creations are based on the form-follows-function principle almost without exception. He is an independent energy consultant and registered compiler of heating load and thermal insulation certificates.



The window manufacturer pre-mounted the VENTRA® into the Wicona Wicline 75 aluminium windows. Installation is straightforward. The VENTRA® is virtually invisible in the reveal at the side.

Thanks to its permanent air exchange, VENTRA® prevents mould from forming, especially in places where a great deal of moist air occurs.

Believe it or not, but a family of four produces twelve litres of water a day as they go about their daily lives, caused by activities such as showering, cooking, drying the washing and just breathing normally. The moisture which arises in the required sealed building envelope must be channelled out using energy efficient means. We also have the added factor that it is not always possible to ventilate thoroughly as needed on a regular basis in times of demographic change and variations to family daily routines.

Using the VENTRA® enhances well-being in all rooms, not only in the kitchen, bathroom, laundry or sauna area. Thanks to its muted operation, it is a quiet little helper in noise-sensitive areas, such as living rooms, bedrooms and children's rooms, where it ensures healthy indoor air and restful sleep without any draughts whatsoever.

The heat exchanger warms up the air flowing in from outside. This saves energy and ensures a consistently comfortable room temperature.

Secure ventilation

Such attractive buildings often attract unwelcome guests. The window stays closed when VENTRA® exchanges air and effective burglary protection remains in place. An additional extra: the optional pollen filter provides protection against fine dust and pollen, ensuring ventilation is also pleasant for allergy sufferers. Occupants in the Falkensee energy-plus house thus obtain a perfect living climate on all floors thanks to the VENTRA®.

Developer, F. R. Hauk Stahl- und Leichtmetallbau GmbH, is synonymous with innovation and reliability

Founded in 1890, Hauk has been finding perfect architectural and energy-efficient solutions with high-grade materials, premium craftsmanship and precise installation for more than 100 years. Today, the Berlin company is one of the most important metalworking companies in the city. Some 70 employees develop customised concepts for all types of metalworking at its Berlin and Nauen locations. Hauk impresses thanks to its expert consultation, careful planning and professional execution for both public and private construction projects alike.

TECHNICAL DETAILS FOR ENERGY-PLUS HOUSE

Location	Falkensee, near Berlin
Construction period	10 month
Plot size	1,390 m ²
Living space	280 m ²
Interior space	1,885 m ³
Heat requirements	19,0 kWh/m ² a
Solid structure construction, aerated concrete, energy-plus house construction method	
Total gross cost	€ 700,000