

OBJECT OF THE MONTH



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RESIDENTIAL BUILDING VÖGELBICHL, INNSBRUCK

With the passive house-certified LG 1000 ventilation unit, a roof-integrated solution providing for energy efficiency at low cost, PICHLER is topping off the "Vögelebichl" Innsbruck passive house complex.

Completely new standards have been set for the design of central ventilation units in multi-storey housing. The roof-integrated ventilation innovation is a technical novelty which has been brought to market by PICHLER in collaboration with the University of Innsbruck and the Passive House Institute Innsbruck. Unlike in the case of previous designs, the passive house-certified, central LG 1000 ventilation unit virtually blends in with the building structure. The device is integrated into the roof and therefore becomes part of the building envelope. And this is reasonable: Heat transition coefficients of $0.18-0.3 \text{ W}/(\text{m}^2\text{K})$ are attained. Short delivery routes serve to keep heat and energy losses as low as possible. Costs for pipe insulations and fire dampers are substantially reduced – and the utility room can also be dispensed with.

DATA & FACTS

Location: Innsbruck

Completion: 2015

Type of building: Residential Building

Builder: Neue Heimat Tirol

Building technology: Ing. G Trenkwalder GmbH

Products: PICHLER ventilation unit,
Volume flow controllers

Product groups:

AIR
DELIVERY

AIR
CONDUCTION



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