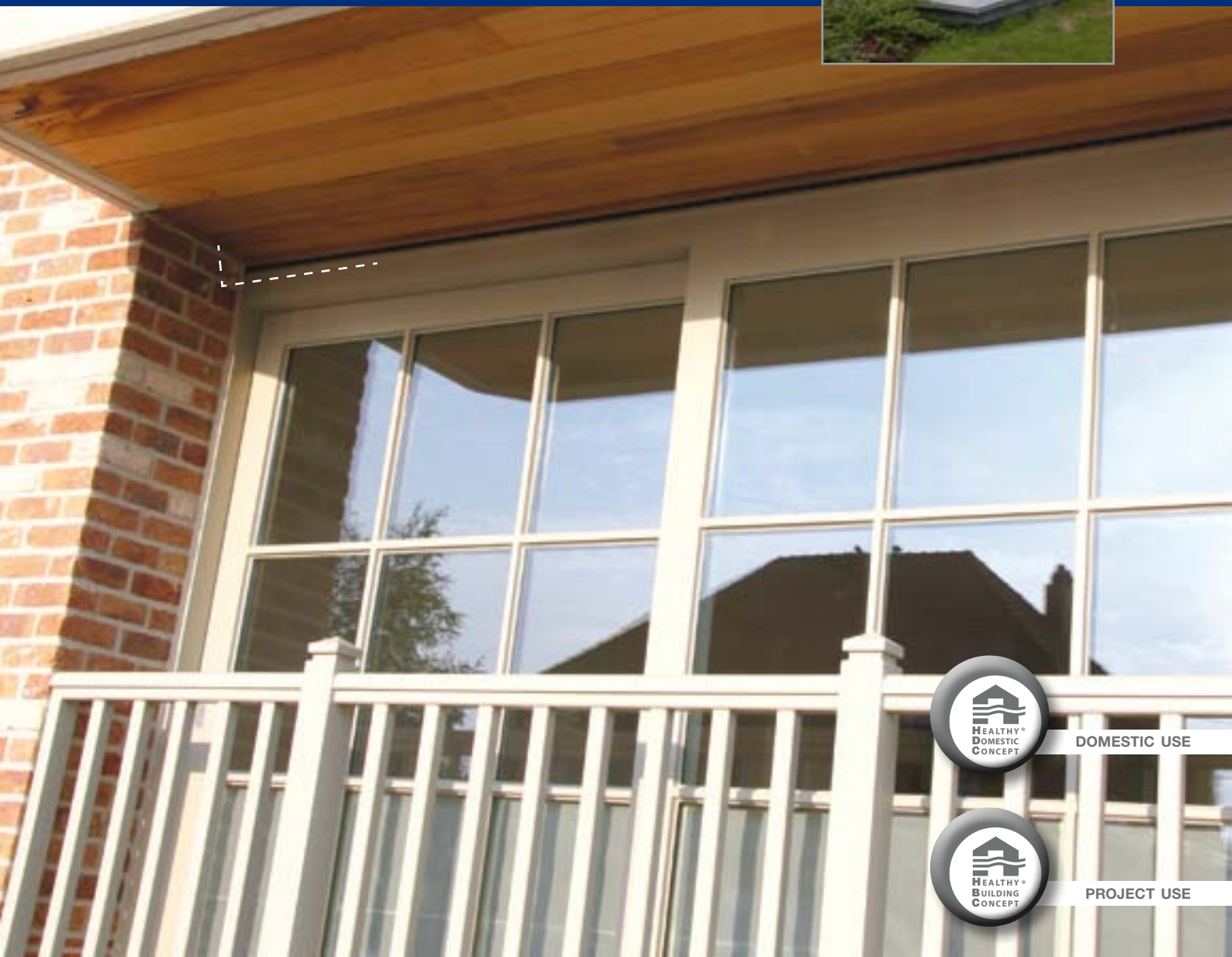
RENSON®

Creating healthy spaces

THE MOST DISCRETE, SELF-REGULATING AND ACOUSTIC OVERFRAME VENTILATORS

Invisivent® *EVO*

- Hidden installation with maximum respect for the architecture
- A natural and energy-efficient comfort solution
- Burglar-proof, insect-proof and water resistant
- Acoustic version also available



INVISIVENT® EVO

With the Invisivent® EVO, RENSON® has developed the most discrete self-regulating window ventilator in the world. The Invisivent® EVO is a thermally broken window ventilator that is installed on top of aluminium, timber or uPVC window frames. This almost invisible installation guarantees maximum light penetration since the glass size is not reduced plus the Invisivent® EVO ensures the supply of fresh and healthy air without draughts (thanks to its self-regulating flap). Consequently the Invisivent® EVO combines healthy living comfort with a maximum visual comfort.

3D invisivent® EVO - exterior view

Different models are available depending of the depth of the window frame, thus allowing Invisivent® EVO to be installed on windows with depths between 50 and 184 mm (or more upon request). The aluminium exterior profile guarantees perfect stability, also on larger window widths. The perforated interior profile, that also serves as an insect mesh, is removable for cleaning purposes.

The airflow is regulated automatically by a two-part self-regulating flap which operates at the point of air inflow and is suspended in a patented vibration-free way. The flap reacts automatically at different wind pressure and cannot be influenced by the user and is maintenance free. The airflow can also be controlled manually by means of a multi-stepped aluminium tiplever. In the open position the incoming airflow is deflected upwards to prevent direct draughts.

Self-regulating flap ❶

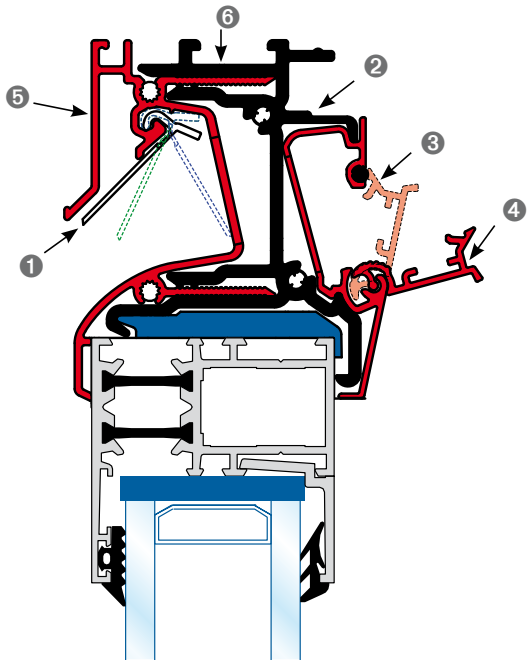
Inlet detail for a finishing profile or a gypsum board ❷

Removable inner flap ❸

Aluminium flap ❹

Exterior profile in aluminium ❺

uPVC Thermal bridge ❻



INVISIVENT® EVO HF

The Invisivent® EVO HF is a variation on the well-known Invisivent® EVO; the worlds most discrete, self-regulating ventilator. The Invisivent® EVO HF delivers 30% more airflow than the regular Invisivent® EVO. It is therefore the ideal solution for use in spaces with small windows where sufficient airflow must be achieved. In closed position there is no visual difference between the Invisivent® EVO HF and Invisivent® EVO.

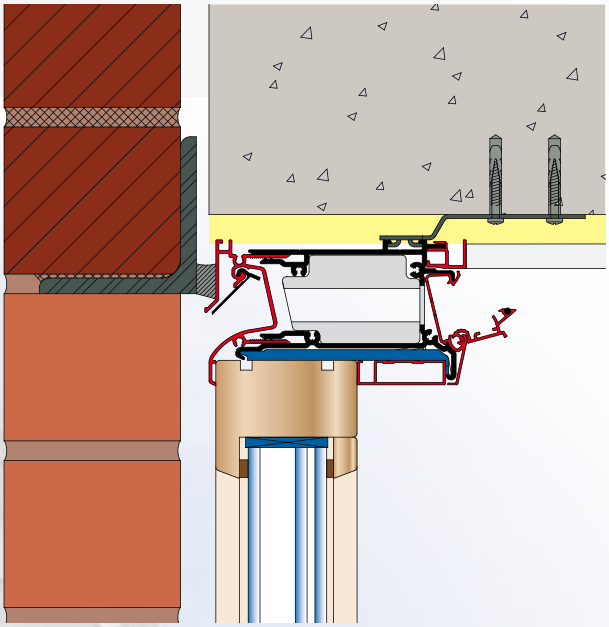
3D Invisivent® EVO HF - interior view

INVISIVENT®EVO AK

Invisivent®EVO AK – interior view

Invisivent®EVO AK – exterior view

The Invisivent® EVO AK is an acoustic version of the Invisivent® EVO. Different types of the Invisivent® EVO AK are available, each with a different airflow capacity and a different level of sound absorption. As the sound absorbing foam is integrated within the uPVC profile, there is no visual difference between the standard Invisivent® EVO and the acoustic types. Because of this it is possible to both use the standard Invisivent® EVO and the Invisivent® EVO AK in the same building.



3D Invisivent® EVO AKR33 - interior view

INVISIVENT® EVO AKR33-MODULE

Renson® has specially developed an acoustic AKR33-module to be added to an already installed Invisivent® EVO.

Over the years, people's neighbourhoods can change drastically. The increase in traffic, for example, can bring an increase in noise pollution. However the AKR33-module enables you to add a minimally sound-absorbing module so that you can once again enjoy the comfort of your own home regardless of the noise.

Technical specifications

	Invisivent® EVO	Invisivent® EVO HF	AKR33 – module	Invisivent® EVO AK		
				Basic	High	Extreme
AIRFLOW						
Airflow at 2Pa	51.3 m³/h/m	66.6 m³/h/m	46.6 m³/h/m	57.2 m³/h/m	41.6 m³/h/m	9.9 m³/h/m
Airflow at 2 Pa	14.3 l/s/m	18.5 l/s/m	9.3 l/s/m	15.9 l/s/m	11.6 l/s/m	2.8 l/s/m
Airflow at 1Pa	10.8 l/s/m	13.6 l/s/m	13.6 l/s/m	10.6 l/s/m	7.3 l/s/m	1.9 l/s/m
Equivalent area	13.700 mm²/m	17.300 mm²/m	11.800 mm²/m	13.489 mm²/m	9.349 mm²/m	2.404 mm²/m
TECHNICAL CHARACTERISTICS						
Surface area	0.062 m²/m					
Controllable	6 stepped positions	5 stepped positions				
U-value	2.8 W/(m²K)			2.0 W/(m²K)	2.2 W/(m²K)	1.7 W/(m²K)
Self-regulating	Yes					No
Self-regulating class	P 3					-
Airflow leakage in closed position at 50 Pa < 15%	Yes					
Insect mesh	Yes					
Watertightness in closed position	Up to 650 Pa					
Watertightness in open position	Up to 50 Pa					
Burglar resistance	Class WK 2					
Thermally broken	Yes					
COMFORT						
Sound reduction $D_{n,e,w}$ ($C;C_{tr}$) in open position	27 (-1;-1) dB	27 (-1;-1) dB	33 (-1;-2) dB	34 (0;-1) dB	39 (0;-1) dB	48 (0;-2) dB
Sound reduction $D_{n,e,w}$ ($C;C_{tr}$) in closed position	40 (-1;-2) dB	40 (-1;-2) dB	46 (0;-2) dB	57 (-1;-4) dB	62 (-2;-6) dB	64 (-4;-11) dB
DIMENSIONS						
Glass reduction	0 mm					
Height	62 mm					
Depth window frames	From 50 to 184 mm (or more upon request)					

The Invisivent®EVO is manufactured according to, complies with and/or has been tested according to:
EN ISO 140-10, EN ISO 717-1, EN 1026, EN 1027, EN 13141-1, EN 12020-2, EN AW 6063 T66,
NBN D50-001, EN 10077-2, DIN 16491, prEN1627, 1628, 1629, 1630

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