

The window.

air-lux[®]

World-class seal quality –
thanks to sealing with air.



DRIVING RAIN, WIND AND NOISE ARE GUARANTEED TO STAY OUTSIDE.

When closed, the perimeter ring seal ensures 100 % impermeability – against heavy rain, wind and noise.

Air is generated in the frame and pumped into the seal.

Smooth opening and closing

When the sliding window is in the 'closed' position, the seal that is built into the frame is inflated and pressed against the window profile using a push-button (active seal). This ensures that the gap between the fixed element and the sliding element is always 100 % closed.

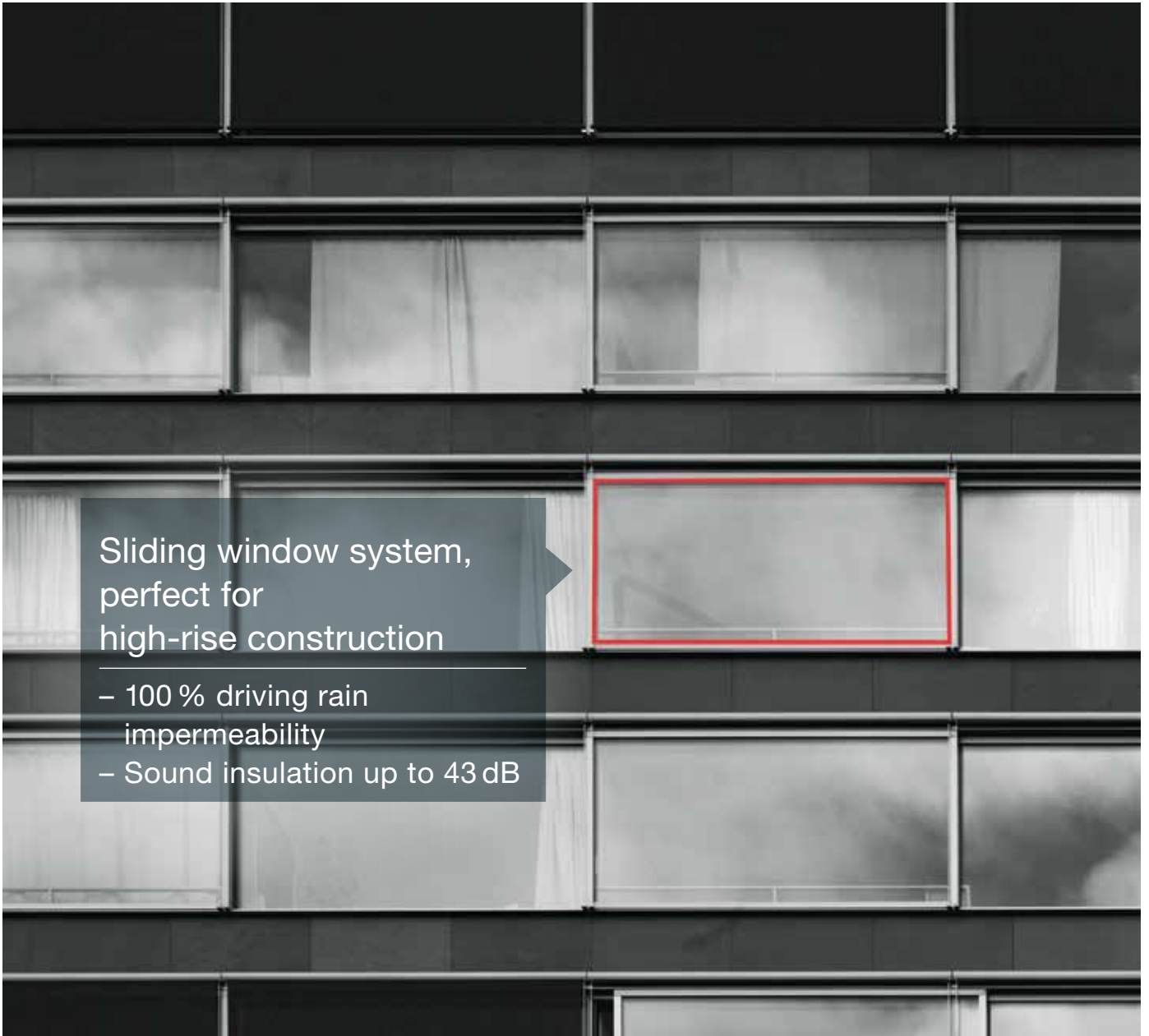
The sliding casement window is opened by pressing a button which causes the seal to deflate and then retract (seal inactive).

In contrast to systems with sealing lips or brushes, this invisible, maintenance-free air-lux technology enables frictionless movement of the sliding casement windows.

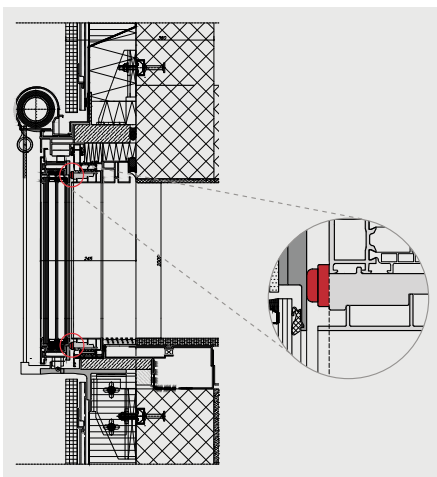


‘High-rise buildings are subjected to enormous forces during storms and rain. So it’s all the more important to ensure 100 % impermeability. Only air-lux guarantees uncompromising impermeability.’

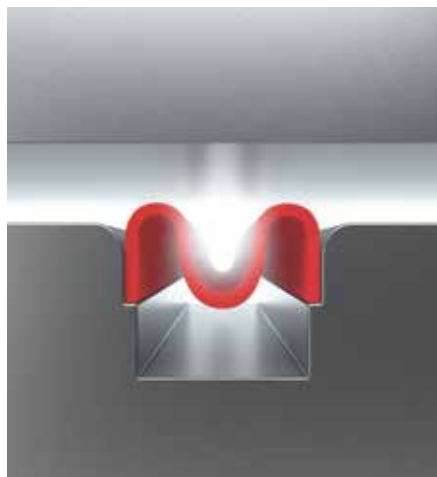
Heinz Sauter
Owner and CEO, Krapf AG, Engelburg, Switzerland



Sealing with air – the air-lux sealing concept



Technical cross-section drawing










Seal inactive



Seal active = 100 % sealed

World-beating values – thanks to sealing with air.

	Thermal insulation Classification according to EN 10077-1 0.92 W/m ² K, Ug 0.6 W/m ² K	UW value/object-related 0.83 W/m ² K, Ug 0.5 W/m ² K
	Air permeability Classification according to EN 12207: 1999 – 11	Class 4
	Driving rain impermeability Classification according to EN 12208: 1999 – 11	Class E1500
	Wind load Classification according to EN 12210: 1999 – 11 / AC: 2002 – 80	Class C4/B4 1600 Pa, max. 2400 Pa
	Burglary protection Resistance class WK 2/RC 2 WK 3/RC 3	Window height up to 3 m
	Special designs, bulletproof up to resistance class BR4-NS	
	Noise insulation Up to 43 dB depending on element size/choice of glass	

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A product from

KRAPF ■ |