

The window.

air-lux[®]

World-class design –
with air-seal technology.



FREEDOM OF DESIGN AND INDIVIDUAL APPLICATION OPTIONS

The 40-meter high, 12-storey high-rise at Buckhauserstrasse 34–36 in Zurich offers a novel solution: the floor-to-ceiling air-lux windows are installed in the exposed concrete façade like picture frames. The sliding windows run outside of the building. The result is a bay window-type extension of the interior space that lends the office, apartments and hotel a completely new sense of space – and enables lateral views.

‘Picture-frame windows’. A joint development by Piet Eckert and air-lux.

With these windows, architect Piet Eckert wanted to create a repetitive pattern that would change organically when the windows were opened – a challenge that air-lux was delighted to accept. Thanks to their patented pneumatic seal, air-lux windows offer the industry-leading values in terms of impermeability to noise, driving rain and wind.

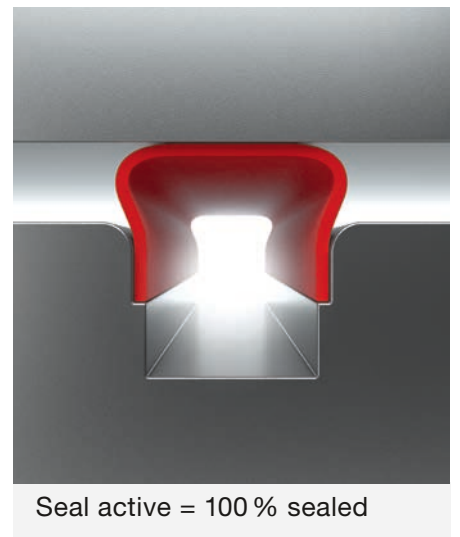
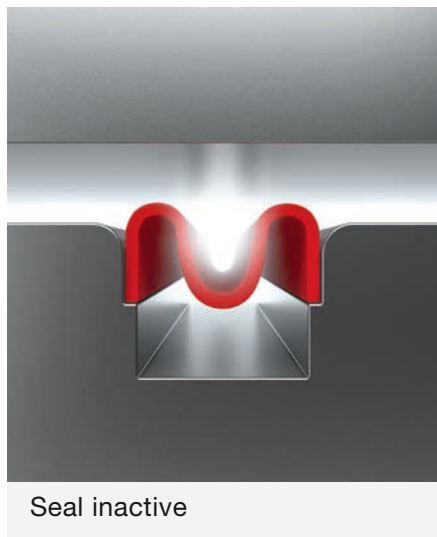
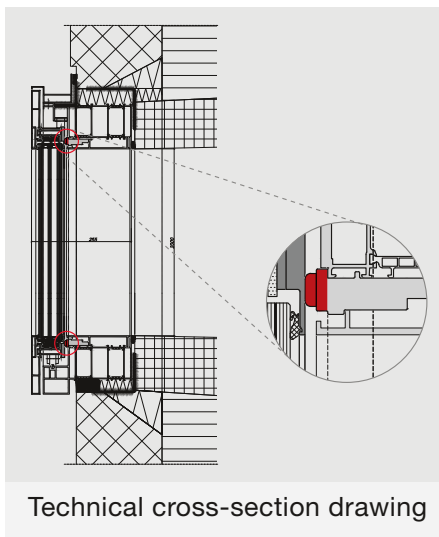


‘Freedom of design means being able to realise my vision without compromises. That requires innovative partners that bring the extraordinary to life, such as air-lux and the windows installed on the concrete façade.’

Piet Eckert, architect
E2A Architects, Zurich



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

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