

Sliding

win-

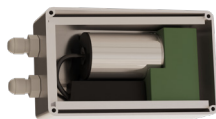
dows

The horizontal highlight

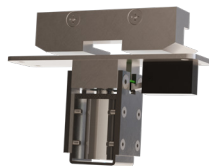
air-lux sliding windows elegantly merge interior and exterior spaces and combine architectural aesthetics with Swiss precision.

Space without limits

With sash weights of up to 1,800 kg and glass surfaces of up to 25 m², these windows glide gently and smoothly – either manually or fully automatically without any effort. The patented air-lux seal guarantees 100% tightness with outstanding running characteristics.



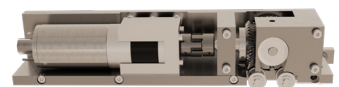
1 Air compressor



2 Locking bolt



3 Motherboard



4 Drive

Seamless and effortless

Threshold

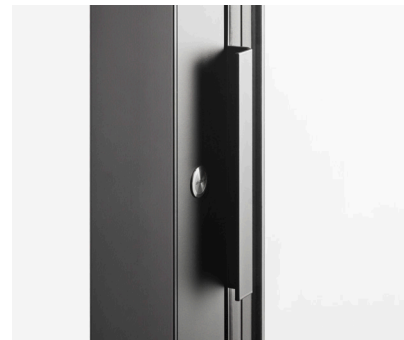
Flush sliding systems always leave a recess in the floor when open.

These openings are generally not a problem and do not cause any restrictions in everyday use. If a flush-floor solution is still preferred, an **automatic threshold** can be integrated. As soon as the sliding window has moved to its maximum open position, the threshold automatically folds up, closing the recess in the floor area. This ensures flush, **seamless transitions for barrier-free access**.

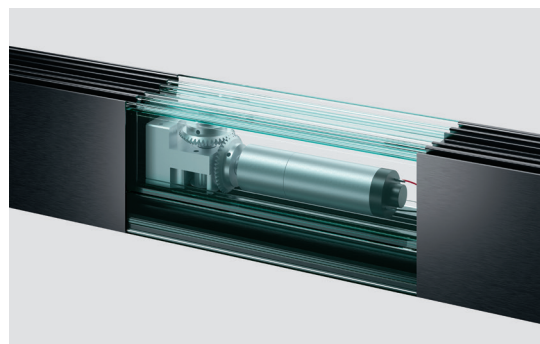


Operation

A button with integrated LED in the window frame controls the sliding window operation. From the outside, choose between a key, code, finger scanner or badge. Opening and closing can be **manual or fully automatic**, smooth and quiet – with no effort required.



The optional **integrated drive** can be incorporated invisibly into all types of openings – without the need for niches or ceiling recesses. As the vented seal does not generate any friction, we recommend **motorisation from a weight of approx. 600 kg**. This allows **sliding elements of up to 1`800 kg** to be moved effortlessly.





Well protected

Insect screen

The **integrated pleated blind** is suitable for large and small sliding sashes, can be positioned flexibly and disappears into the frame profile.

Fall protection

The elegant, integrated fall protection with laminated safety glass offers **reliable protection** without **compromising visibility** – protected against the weather by the external sliding sash.

Burglary protection

The robust air-lux construction can be invisibly upgraded to **resistance class RC3** – including special bullet-proof or alarm-secured glass.



Impressive functions

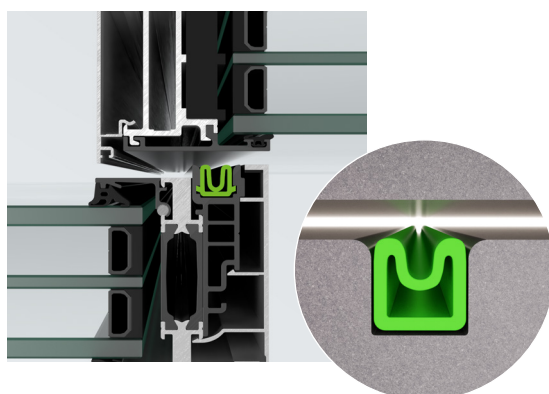
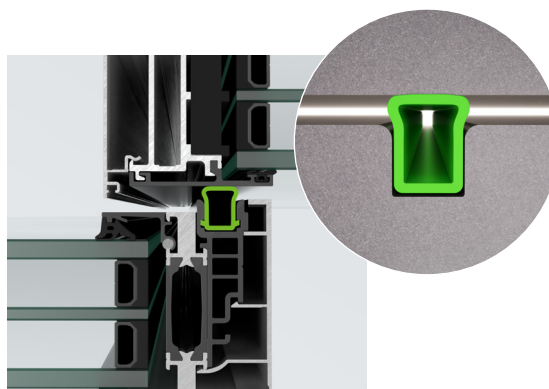
The unique **air-lux sealing concept** with a continuous inflatable seal guarantees **100% tightness** against driving rain, wind and noise.

Seal active

- When the button is pressed, air is pumped into the seal.
- The gap between the sliding element and the fixed frame is completely sealed.

Seal inactive

- The air escapes when you press the button.
- The seal retracts to its original concave profile.





10-year warranty

air-lux sliding windows are manufactured in Switzerland from high-quality aluminium profiles. The elegant frames meet the highest quality standards. That's why we guarantee flawless functionality and provide a 10-year warranty on frames, gaskets and fittings. And just in case something happens: our 24-hour support service is here for you.



Our sliding windows are CE-compliant and meet the following safety regulations and EU directives/standards:



Air permeability

Classification according to standard
EN 12207: 2016-12 | up to class 4



Watertightness

Classification according to standard
EN 12208: 1999-11 | up to class E1500



Wind load

Classification according to standard
EN 12210: 2016-03 | up to class C4/B4



Sound insulation

Measurement according to DIN EN ISO 10 140-2
up to 43 dB



Burglary resistance

according to EN 1627-1630
up to RC3



Operating forces

Classification according to standard
EN 13115:2020-11 | up to class 2



Resistance to repeated opening and closing

Classification according to standard
EN 12400:2002-10 | up to class 4



Rollover capability

according to ift guideline BA-01/1 | up to class 6