

The window.

air-lux[®]

Unbeatable impermeability.



AIR-LUX. THE FRAMELESS GLASS FAÇADE SYSTEM THAT DEFIES THE ELEMENTS.

air-lux is the floor-to-ceiling glass façade system with large-scale sliding windows and a unique pneumatic sealing concept. The maintenance-free air-lux sliding window system with sliding casement windows up to 18 m² was developed by Krapf AG, a leading Swiss metal and façade engineering company and complete service provider for quality solutions. With air-lux, Krapf AG offers architects, façade planners and building owners a versatile window façade system that is as architecturally and aesthetically appealing as it is structurally sound. air-lux installations are planned and produced in-house, and installed by our own fitters. Since the first installation in 2004, over 4,500 sliding casement windows have been installed.

Private residence, Switzerland

An exquisite house of much refinement. The use of air-lux safe ensures the highest safety levels.





Private residence, Southern Germany

With a 39 meter glass front, air-lux offers an unparalleled elegance.

MATERIALS THAT CREATE THE RIGHT SURROUNDINGS.

Bright rooms need elegant surroundings. That's why air-lux has been using luxurious materials in innovative ways for many years. And we always know how to surprise. This unique fusion of materials in the façade construction of sliding windows was honoured with the AIT Award in 2013.



air-lux classic

The top-class aluminium system impresses through its appearance and functionality in interior and exterior areas. It can be customised entirely to your liking: high-quality anodizing or powder coating. Either way, the system can be combined with different surfaces inside and out.



connect wood

Elegant, warm wood in the indoor area; durable aluminium in the outdoor area. The appearance and feel can be selected individually: the surfaces are available oiled, waxed, brushed or polished.



connect bronze

Solid, elegant bronze with a natural patina in the outdoor area provides new design options and stands for individuality and character.

connect bronze wood

Façade construction of sliding windows with bronze for external areas and wood for internal areas.

KRAPF AG. COMPLETE SERVICE PROVIDER AND PROFESSIONAL PROJECT PARTNER.

Since it was founded in 1964, Krapf AG has become a leading Swiss façade construction company, and currently employs over 80 people. We specialise in consultation, planning, production, assembly and service in façade engineering, glass and metal construction. As a complete service provider and professional project partner for architects, façade planners, general contractors and building owners, we offer sustainable solutions that impress architecturally, technically and functionally. Good cooperation is based on trust, openness and reliability. These three principles guide our actions every day as we seek to offer our partners and customers the best possible solutions and implementations.

1 Modissa clothing store, Zurich

Façade renovation, structural bronze and electrochromic insulated glass.

2 St Gallen Technical College

912 room-high box-type windows bring light into the study rooms.

3 Tschuggen Grand Hotel Arosa

Unique, large-format skylights, designed as "leaves of light".



Krapf AG services

Consultation, planning, production, assembly, service

Glass & metal façades, complete service provider

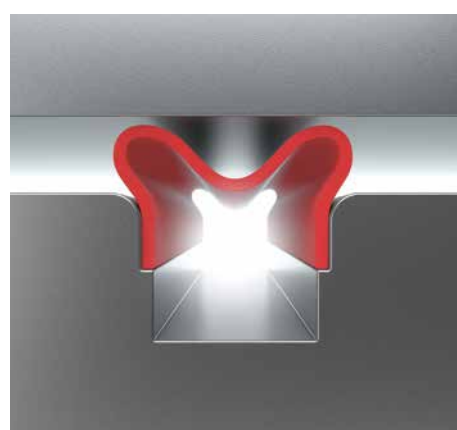
air-lux sliding window system, frameless

Metal construction design, skylights

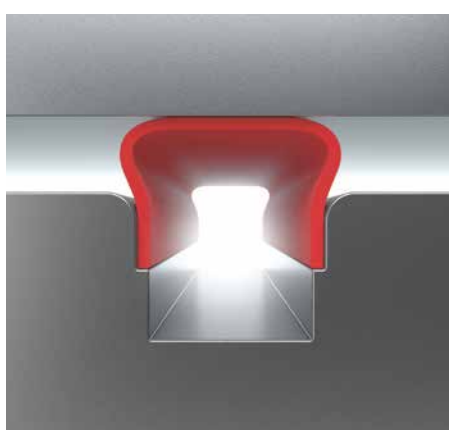
Individual architectural solutions

UNBEATABLE IMPERMEABILITY

With the patented, air-assisted sealing system, air-lux sliding windows guarantee outstanding construction qualities. The circumferential ring seal ensures 100% tightness when the window is closed.



Seal inactive



Seal active



Seal active – 100% sealed



Thermal insulation
Classification according to EN 10077-1:
0.92 W/m²K, Ug 0.6 W/m²K

Uw value/object-related
0.83 W/m²K, Ug 0.5 W/m²K



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



Noise insulation
Up to 43 dB depending on element
size and choice of glass

AIR-LUX SLIDING WINDOWS

THE FACTS

100 % impermeable thanks to a patented inflatable sealing system

Driving rain impermeability class E1500

Frameless sliding casement windows up to 18 m², floor-to-ceiling

Profiles made of aluminium, wood and bronze

Burglary resistant up to resistance grade RC 3

Design versatility with different elements, arrangements and opening types

10-year guarantee on seal, frame and fittings

Bulletproof special glazing up to 60 mm thick

Floor-to-ceiling installation

Gap opening, wheelchair accessibility

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A product from

KRAPF ■ |