



air-lux®

The window.

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.

AUB ARE THE NEW AIR-LUX PARTNER



We are a Key Player in Door Access Solutions for Commercial, Institutional and Residential projects in Hong Kong and Macau. Our Products & Solutions include Automatic & Security Doors and Industrial Gates. Service is our Value – we offer Technical Advice & Customized Drawings, Supply & Installation, Contracting, Training and Service & Maintenance programs. AUB is closely working with Façade Contractors and Engineering Companies providing Solutions for all kind of High- and Low-Rise Commercial and Residential buildings.

AUB & AIR-LUX

Our new partnership aims to bring unrivaled technology and exceptional features to the densely populated territory of Hong Kong and Macau. The Innovations in Noise Reduction, Security as well as Impermeability of Heat and Rain will enhance the Living Standard and the Experience of Space.

1 West Terminus (model pix)

Main Train Station of Hong Kong–Guangzhou High Speed Train. Supplied and Installed all Automatic Sliding and Swing Doors to Main Entrances of Passenger Building. Expected Completion 2018

2 Hong Kong International Airport

Hong Kong International Airport Chek Lap Kok. Supplied and Installed a major portion of Automatic Sliding, Swing Doors and Security Doors at Main Entrance to various Passenger Buildings as well as Interior Doors in Key Areas such as Immigration Hall, Staff Entrances, Walk-Ways, Lounges and many others. Original Completion in 1998, Renovations and Extensions ongoing.

3 Hong Kong Central Government HQ

Multipurpose Government and Parliament Building in Hong Kong. Supplied and Installed all Automatic Sliding Doors with Security Locking Features to Main Entrances at Ground Floor Level. Completed in 2011 with Renovations and Extensions ongoing.



Company Services

Consultation, Planning, Drawing, References

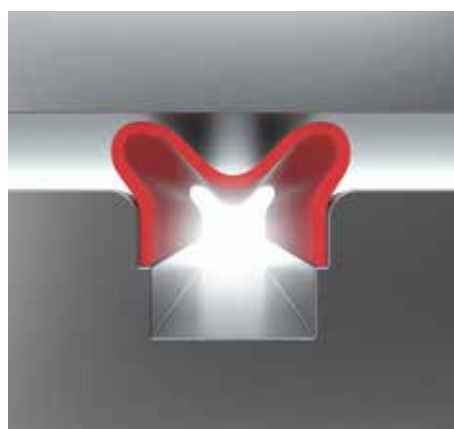
Solutions for Main Entrance & Windows

Local Assembly access to local Partners

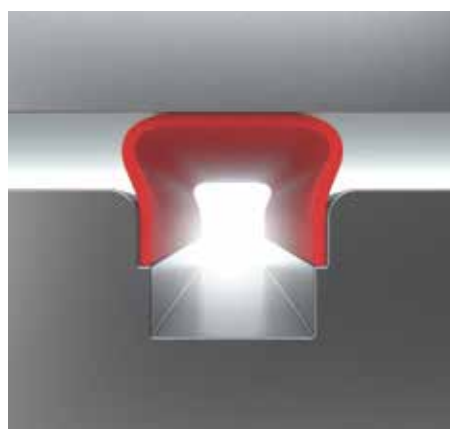
Experienced Cooperation with Façade Consulting, Engineering and Contracting

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

AUB Limited

Unit A, 12Fl, Hung Mou Industrial Building
62 Hung To Road, Kwun Tong
Kowloon
Hong Kong SAR

T +852 2375 6110

F +852 2406 2602

enquiry@aub.com.hk

www.aub.com.hk

