

40
años
de experiencia

Airclos[®]
Aluminium Systems

Flat Roof Access Hatches

Transform your rooftop into a vibrant new space

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TURNING ROOFTOPS INTO LIMITLESS SPACES

Rooftop exits have evolved from simple access points to an opportunity to create functional, vibrant spaces.

With over 40 years of experience, Airclos designs and manufactures high-performance retractable roofs, offering innovative solutions that combine safety, energy efficiency, and design. Our systems transform any rooftop into a versatile and comfortable environment where indoor and outdoor spaces merge seamlessly.

Throughout this catalog, we will explore how our solutions allow you to:

- **Optimize space**, turning your rooftop into an enjoyable area all year round.
- **Ensure comfort and weather protection**, with high-quality materials that withstand rain, wind, and UV rays.
- **Maximize natural light**, reducing the need for artificial lighting

and improving energy efficiency.

- **Seamlessly integrate into any architectural design**, with customizable options tailored to each project.
- **Provide effortless operation**, thanks to motorized systems that enable easy, smooth opening.
- **Increase property value**, offering solutions that combine functionality, aesthetics, and sustainability.

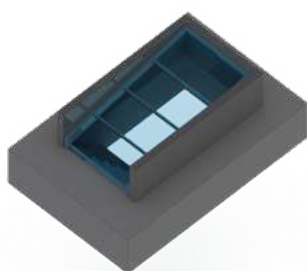
In the following pages, you will discover our different solutions for rooftop exits and find the best option for your project.





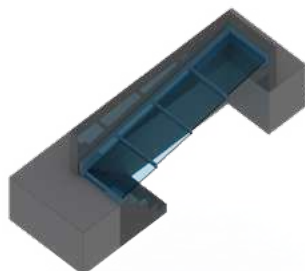
ROOFTOP ACCESS DESIGN & COMFORT

In contemporary architecture, rooftops have evolved from forgotten spaces into **true extensions of homes and buildings**. With the right design, they can be transformed into **relaxation areas, social spaces, or even event venues**, making them enjoyable all year round.



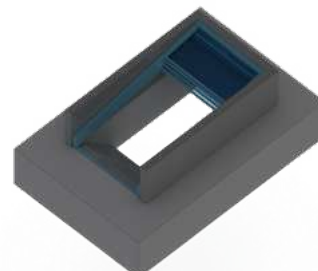
SYSTEM CLOSED VIEW

A discreet and seamlessly integrated design within the roof, ensuring insulation and energy efficiency.



SYSTEM SECTION VIEW

A system designed for a safe and elegant transition between indoors and outdoors, maximizing functionality and comfort.



SYSTEM OPEN VIEW

A fully open configuration for easy and comfortable rooftop access, transforming the space into a habitable extension.

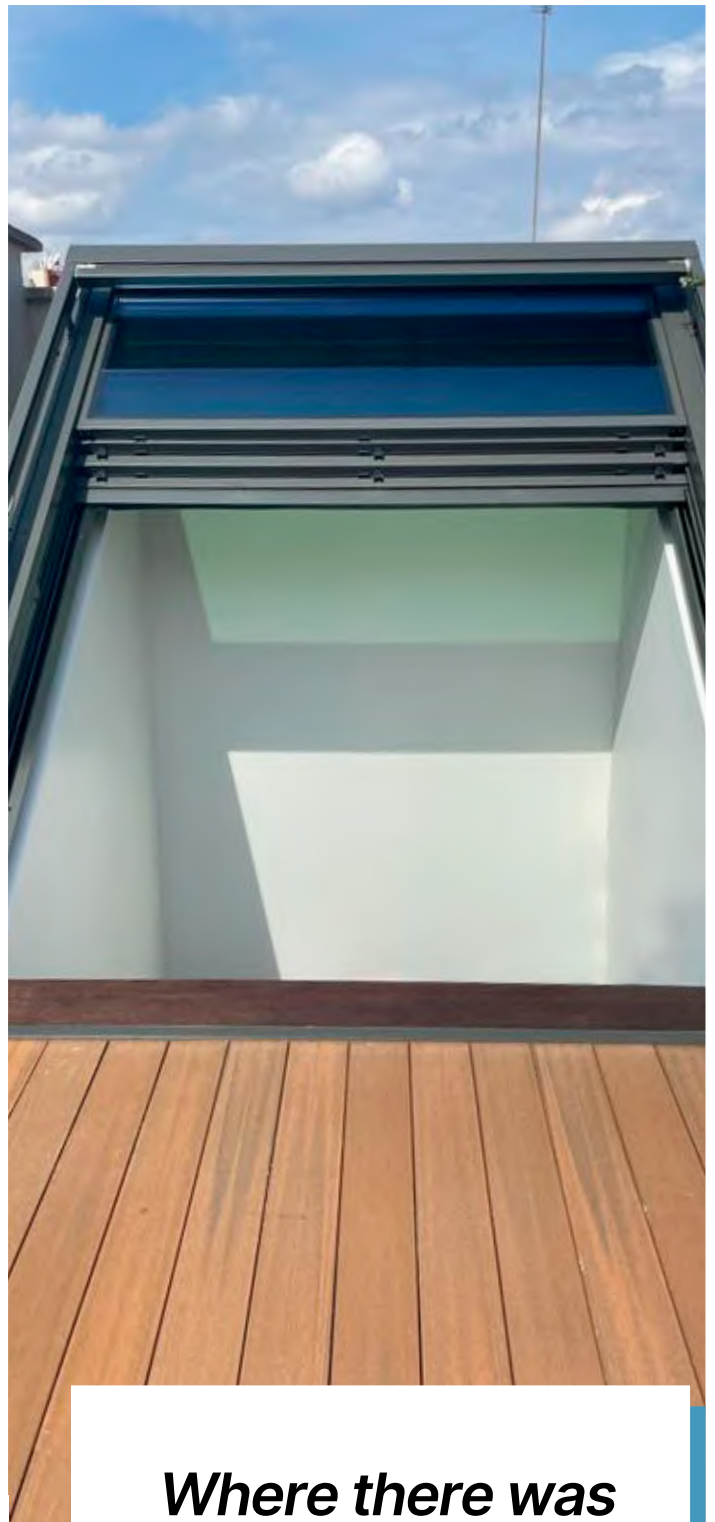
■ All our **retractable roofs**, including rooftop exit systems, feature a **motorized opening mechanism**, ensuring a **smooth and secure user experience**.

FROM UNUSED SPACES TO THE HEART OF DAILY LIFE



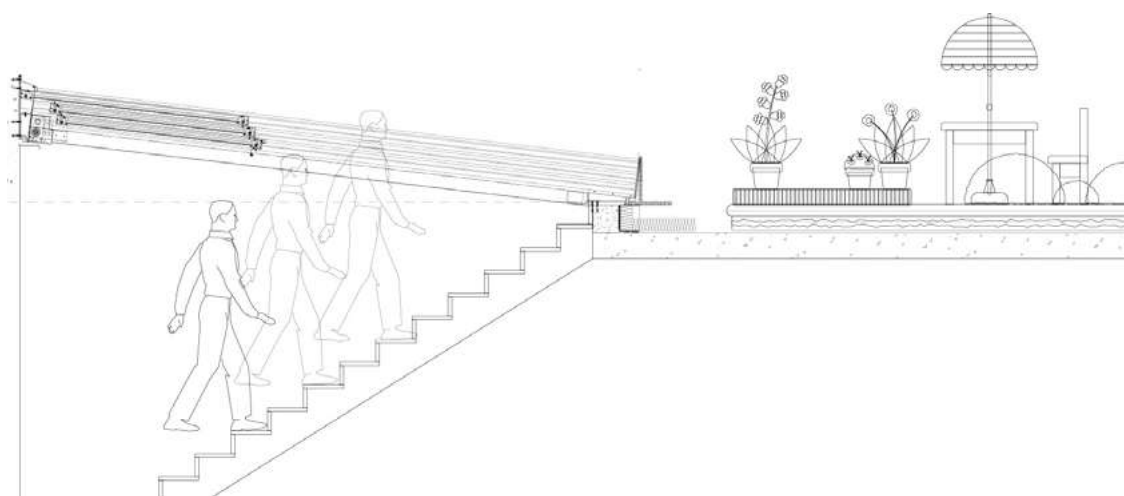
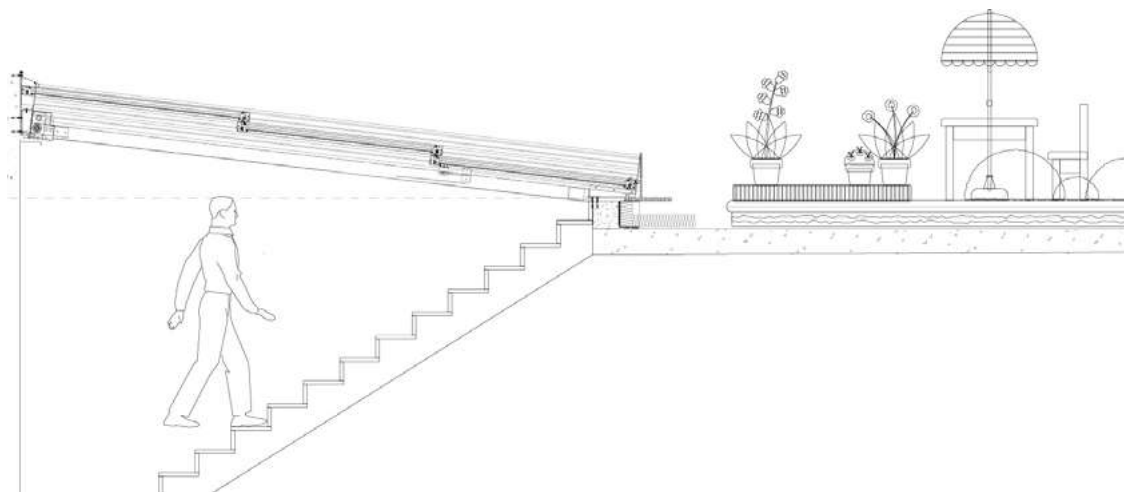
With Airclos retractable roofs, forgotten rooftops become bright, comfortable, and functional spaces full of possibilities.

Whether as a relaxation area, private terrace, or social gathering space, the seamless connection between interior and exterior brings rooftops to life, turning them into an essential part of the building.



***Where there was
nothing before,
now there's a
new space full of
potential.***

A SINGLE MOVEMENT FOR LIMITLESS ACCESS





UNLIMITED ACCESS, UNCOMPROMISED COMFORT

Airclos motorized retractable roofs offer an **innovative solution** for rooftop exits.

Their **design allows a smooth transition between indoors and outdoors**, without compromising **safety, energy efficiency, or aesthetics**.

① Spaces that transform

A new way to experience architecture.

A functional and elegant **flat roof access hatch** opens up new possibilities, allowing you to make the most of your space while enhancing the user experience.

② Accessibility and safety

Seamless access for daily use and maintenance.

Unlike traditional solutions, **Airclos glazed roof hatches** provide an obstacle-free entrance, **featuring large glass panels and a fully automated opening system**.

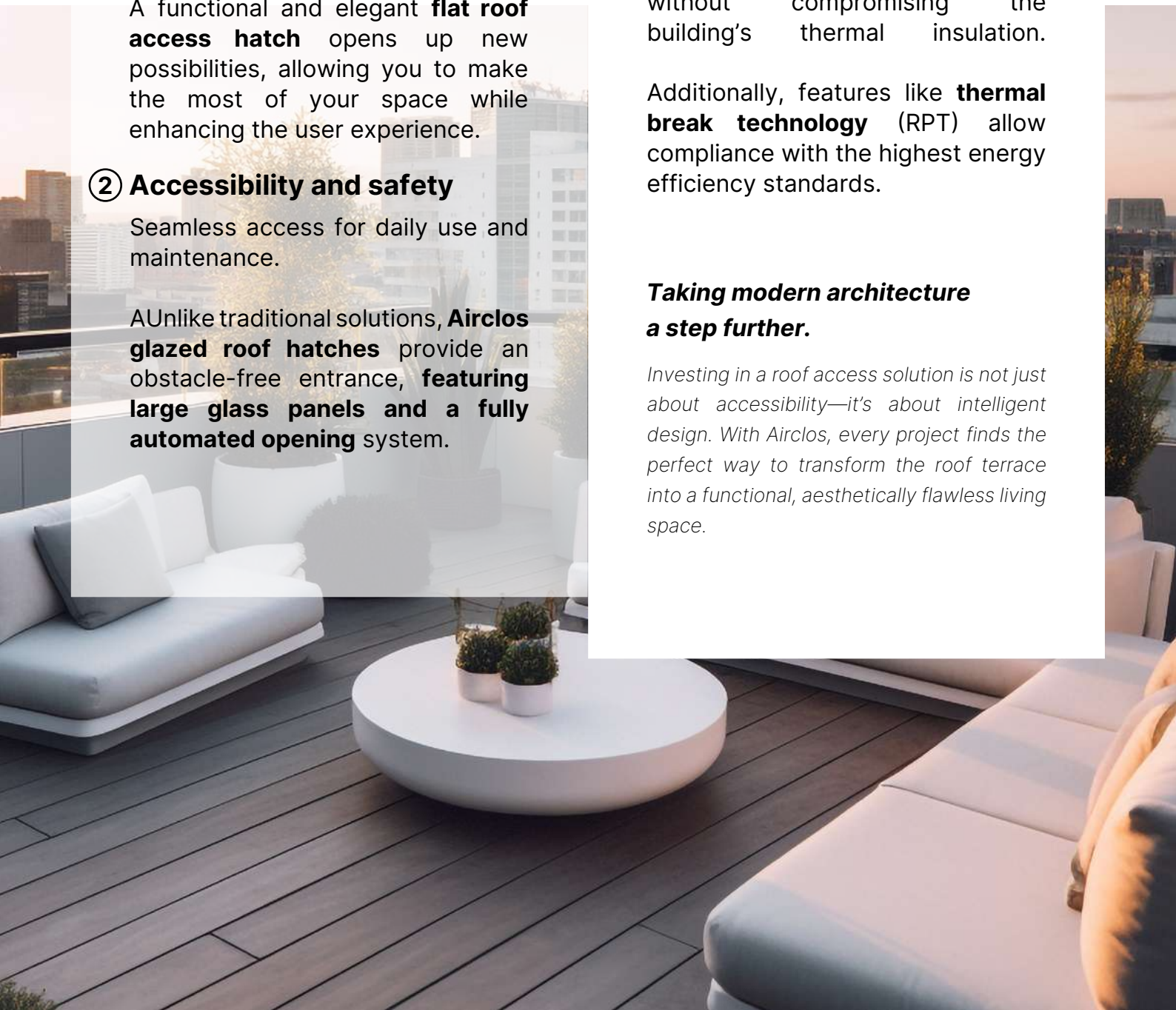
③ Design, light, and efficiency

With expansive glazed surfaces, **Airclos flat roof access hatches** ensure optimal natural light without compromising the building's thermal insulation.

Additionally, features like **thermal break technology** (RPT) allow compliance with the highest energy efficiency standards.

Taking modern architecture a step further.

Investing in a roof access solution is not just about accessibility—it's about intelligent design. With Airclos, every project finds the perfect way to transform the roof terrace into a functional, aesthetically flawless living space.



INCREASED PROPERTY VALUE WITH MINIMAL MAINTENANCE

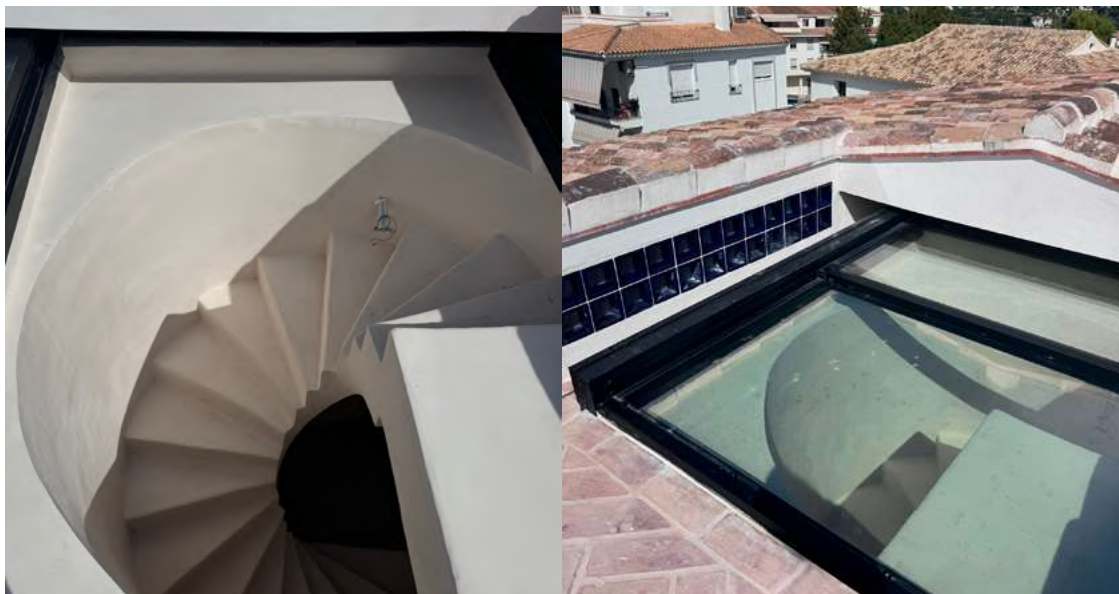
Investing in an Airclos flat roof access hatch not only enhances the building's functionality and comfort but also boosts its appeal and market value.

A Key Differentiator in the Real Estate Market:

- Versatile spaces that enhance property value.
- Modern architectural solutions that attract buyers and users seeking comfort and efficiency.

High-Quality Materials for Minimal Maintenance:

- Designed for exceptional durability with little to no maintenance required
- Finishes resistant to corrosion, temperature changes, and continuous use.



WEATHER PROTECTION & ENERGY EFFICIENCY

Integrating a glazed roof hatch into your roof terrace access not only **enhances comfort and accessibility but also provides optimal protection against the elements.**

Insulation Against Harsh Weather Conditions:

- High-quality materials designed to withstand rain, wind, and solar radiation, ensuring year-round comfort.
- Options with triple glazing and thermal break technology (RPT) minimize heat loss and maximize energy efficiency.

Reduced Energy Consumption:

- The combination of natural light and adjustable ventilation helps reduce reliance on artificial lighting and climate control systems.
- By improving the building's thermal performance, operational costs decrease, along with its carbon footprint.

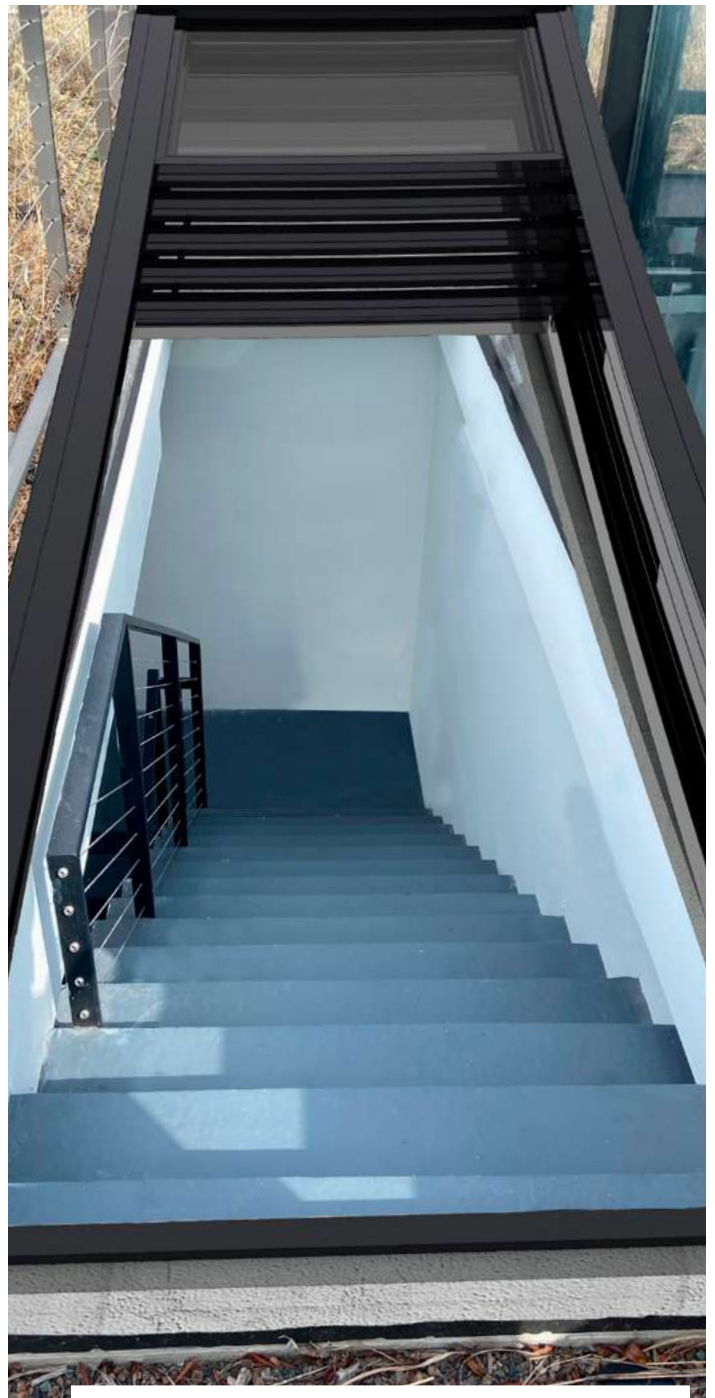


**EVERY PROJECT IS
UNIQUE. SO IS OUR
SOLUTION.**



With a wide range of series and configurations, we provide tailor-made solutions that ensure seamless accessibility, ultimate comfort, and flawless design.

The versatility of our glazed roof hatches allows for effortless integration into any environment while guaranteeing top-tier thermal, aesthetic, and functional performance.



***No two projects are
the same. That's
why every Airclos
solution is uniquely
designed.***

BEST THERMAL PERFORMANCE

T7003 RPT

- **Ideal for:** Projects in demanding climates or where energy efficiency is a top priority.



- ① **Superior thermal insulation with advanced Thermal Break Technology (RPT)**, preventing energy loss and enhancing indoor comfort.
- ② **Meets the highest energy efficiency standards** in Europe, ensuring optimal performance.
- ③ **Maximum airtightness and watertightness**, guaranteeing a **fully sealed closure** that protects against water and air infiltration, even in the most extreme weather conditions.

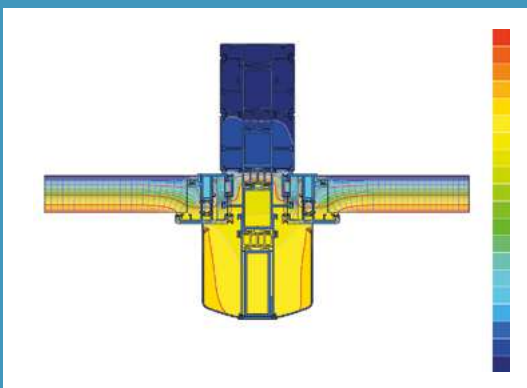
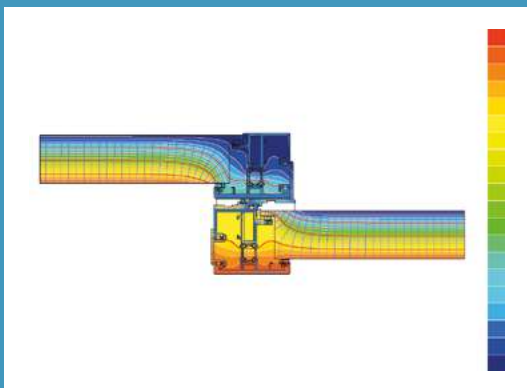
- **Recommended Applications:** Residential and commercial projects where energy efficiency is essential, passivhaus-certified homes, luxury hotels in cold climates, sustainable office buildings prioritizing thermal performance.

Total system width	Unlimited
Maximum clear span without intermediate supports.	6.000 mm
Largest panel width with glass	2.500 mm
Maximum glazed opening	58 mm
Superior thermal performance	Uw 1,4 W/m ² K

T7003 RPT: CUTTING-EDGE DESIGN FOR A MORE EFFICIENT FUTURE

The T7003 RPT Series by Airclos marks a significant breakthrough in retractable roof design, incorporating innovations that set new standards in thermal efficiency, watertightness, and airtightness.

- **Comprehensive Thermal Break Technology:** The first retractable roof system on the market to feature a true thermal break at all contact points, including side and central guides. This ensures superior insulation, achieving a U_w value of $1.4 \text{ W/m}^2\text{K}$.
- **High-Performance Triple Glazing:** Equipped with triple glazing up to 58mm thick, the T7003 RPT delivers a U_g value of $0.5 \text{ W/m}^2\text{K}$, significantly reducing thermal transmittance and enhancing the energy efficiency of any space.



Air permeability - UNE EN 1026:2017	Class 3
Water tightness - UNE EN 1027:2017	Class 8
Wind resistance - UNE EN 12211:2017	Class C5
Thermal transmittance "U" - UNE EN 10077-2:2020	1.4 W/m^2

THE LIGHTEST AND MOST VERSATILE OPTION

T6000

- **Ideal for:** Projects requiring a lightweight solution without compromising on large-scale openings.



- ① **Spans up to 7m**, creating expansive open-air spaces.
- ② **Panel width up to 2.2m**, balancing lightness and functionality.
- ③ **Optimized for structures with load restrictions**, making it ideal for installations on rooftops with lower weight capacity.

- **Recommended Applications:** Large roof terraces, renovation projects where existing structures impose weight limitations, lightweight roof designs prioritizing open access without structural reinforcements.

Total system width	Unlimited
Maximum clear span without intermediate supports.	7.000 mm
Largest panel width with glass	2.200 mm
Maximum glazed opening	28 mm

MAXIMUM SPACE & COMFORT

T8000

- **Ideal for:** Projects that require wide, seamless access to the roof terrace, combined with abundant natural light.



- ① **Large glass panels up to 3.4m wide**, ensuring a fully unobstructed opening.
- ② **Double glazing**, offering the perfect balance between insulation and lightness.
- ③ **Maximum natural light intake**, enhancing interior illumination and reducing energy consumption.
- ④ **Optimized motorized opening**, guaranteeing smooth and effortless operation.

- **Recommended Applications:** Luxury residences and high-end homes, urban penthouses with a focus on modern, functional design, commercial spaces where seamless roof access enhances usability and aesthetic appeal.

Total system width	Unlimited
Maximum clear span without intermediate supports.	7.000 mm
Largest panel width with glass	3.400 mm
Maximum glazed opening	28 mm

MAXIMUM SPACE WITH TRIPLE GLAZING

T8003

- **Ideal for:** Projects requiring wide roof access without compromising thermal insulation.



- ① **Large glass panels up to 3.4m wide**, ensuring the same seamless access as the T8000 model.
- ② **Triple glazing**, enhancing **thermal performance and energy efficiency** while maintaining ample natural light.
- ③ **Minimized heat loss**, making it an ideal solution for cold climates or buildings with high sustainability standards.
- ④ **Optimized motorized opening**, ensuring safe and effortless operation.

- **Recommended Applications:** Projects in colder climates, where superior insulation is essential, luxury hotels in regions with harsh winters, sustainable office buildings prioritizing energy efficiency and thermal comfort.

Total system width	Unlimited
Maximum clear span without intermediate supports.	7.000 mm
Largest panel width with glass	3.400 mm
Maximum glazed opening	50 mm

EXTRA-LARGE DIMENSIONS & SNOW LOAD RESISTANCE

T8000 ER

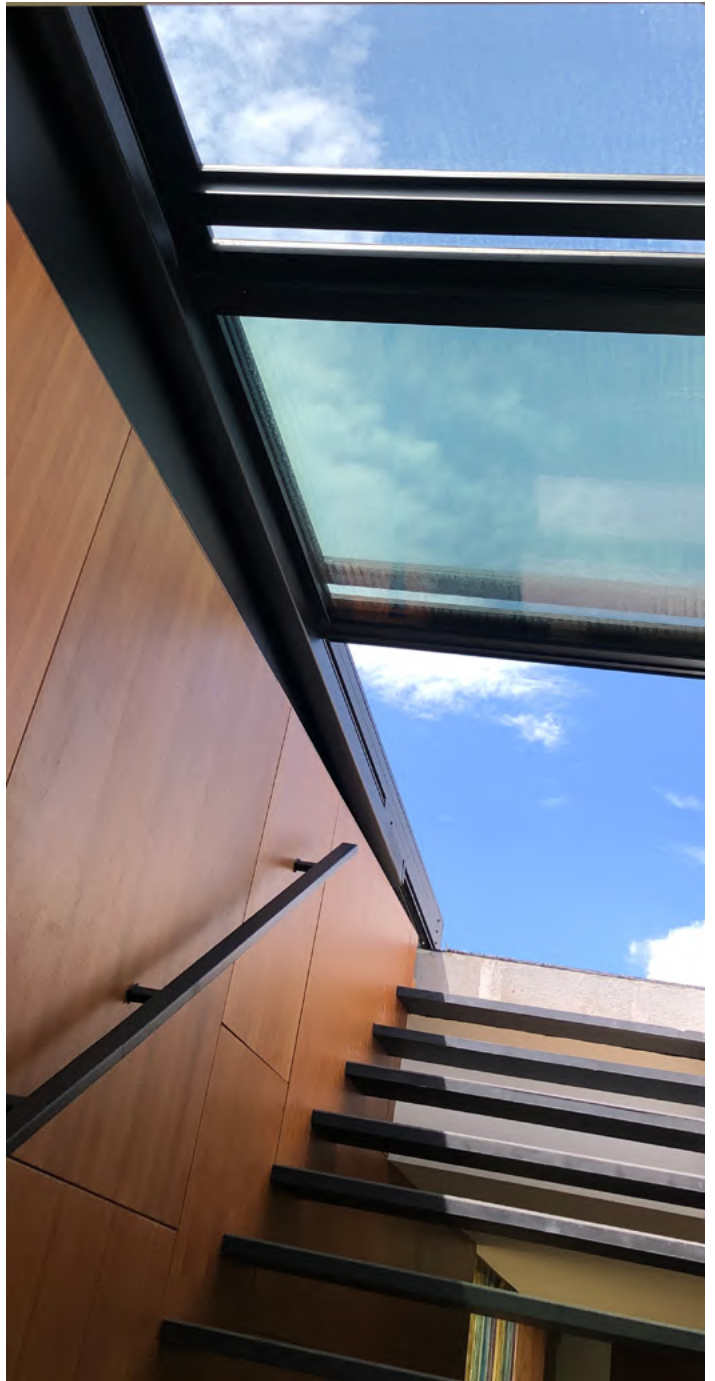
■ **Ideal for:** Projects requiring oversized glass panels or heavy snow regions.



- ① **Glass panels up to 4m wide**, exceeding industry standards.
- ② **Special structural reinforcement**, ensuring **load capacity**, stability, and durability without compromising design.
- ③ **Supports snow loads up to 700 kg/m²**, delivering unmatched performance in extreme conditions.
- ④ **Reinforced motorized opening**, designed to withstand the added weight of **large glass panels or heavy snow accumulation**.

■ **Recommended Applications:** Projects in harsh winter climates, such as mountain homes and luxury hotels, alpine resorts and commercial buildings in Nordic countries, architectural designs requiring an extra-wide roof access solution for functionality or aesthetics.

Total system width	Unlimited
Maximum clear span without intermediate supports.	7.000 mm
Largest panel width with glass	4.000 mm
Maximum glazed opening	38 mm



OPEN YOUR ROOF TO NEW POSSIBILITIES WITH AIRCLOS

Airclos glazed roof hatches redefine the way we experience roof terraces, transforming them into spaces that go beyond mere access—unlocking new possibilities in design, comfort, and livability.

With over 40 years of experience, we create innovative architectural solutions that ensure exceptional thermal performance, seamless accessibility, and flawless integration into any project.

- Turn every rooftop into a bright, vibrant space.
- Ensure top-tier insulation and comfort in any climate.
- Custom designs that elevate architectural experiences.

If you're looking for a solution that turns your vision into reality, our team is ready to guide you.

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