



F80+
AXIOM

Cortizo premium aluminium bifolding door



Bring the
Outside In

AXIOM



Your home is a reflection of who you are. A statement of your lifestyle.

*0.78
U Value

Up to
14 Sash

Ultra
Slim
Sightlines

Smooth
Effortless
Operation

Marine
Powder
Coating

10 Year
Guarantee

AXIOM

Axiom is a range of innovative, design-led products, engineered for long-term performance and expertly manufactured. Axiom products enhance your home while adding lasting value to your property. The **Axiom F80+** delivers outstanding aesthetics and advanced thermal performance, with U values *as low as 0.78W/m²K. Engineering-grade hardware ensures exceptionally smooth, effortless operation, while a 10-year manufacturer's guarantee provides complete peace of mind.



Inspirational, aspirational and affordable



Durable, energy-efficient solutions

When investing in new windows and doors, performance should never come at the expense of design. High-quality aluminium systems deliver exceptional thermal efficiency while maximising natural light—helping to create warmer, brighter homes and reduce ongoing energy costs.

So what sets aluminium apart?

By nature, aluminium is significantly stronger than timber or uPVC and far less susceptible to warping, expansion, or seasonal movement. This inherent strength allows for much slimmer frames and larger configurations, supporting expansive glazing at industry-leading heights while safely carrying even the largest glass panels.

Extensive choice of finishes

Aluminium windows and doors are available in hundreds of colours and finishes, including dual-colour options with different internal and external tones. Modern powder-coated and anodised finishes are exceptionally durable, require minimal maintenance, and will never need repainting.

Energy efficient and environmentally responsible

Advances in thermal break technology mean aluminium systems now offer outstanding insulation performance, placing them among the most energy-efficient solutions available. With a long life cycle, excellent thermal efficiency, and low maintenance requirements, aluminium is a sustainable, cost-effective choice that benefits both your home and the environment.

Why choose aluminium?



Open corner for truly uninterrupted panoramic views



With a wide choice of inward, outward and corner-opening configurations. Designed for versatility, performance and ease of specification

Available in up to 14 panels, odd or even numbers of panels and a full range of threshold options, make it easy to achieve a practical, stylish and seamless connection between inside and outside.

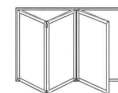
A configuration for every home

Popular Configurations

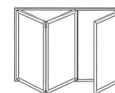
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3-3-0



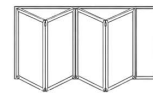
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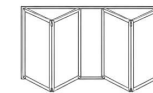
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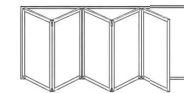
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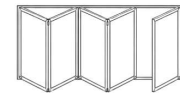
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5-5-0



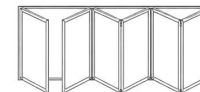
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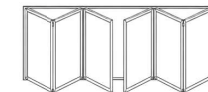
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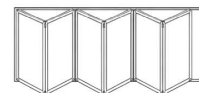
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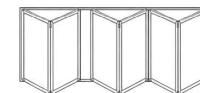
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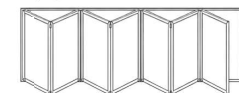
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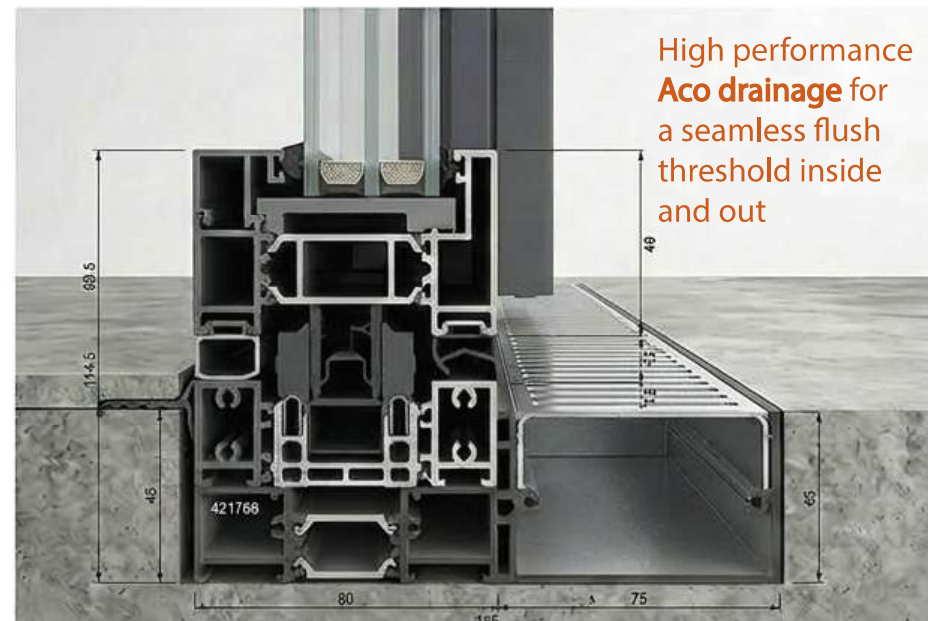
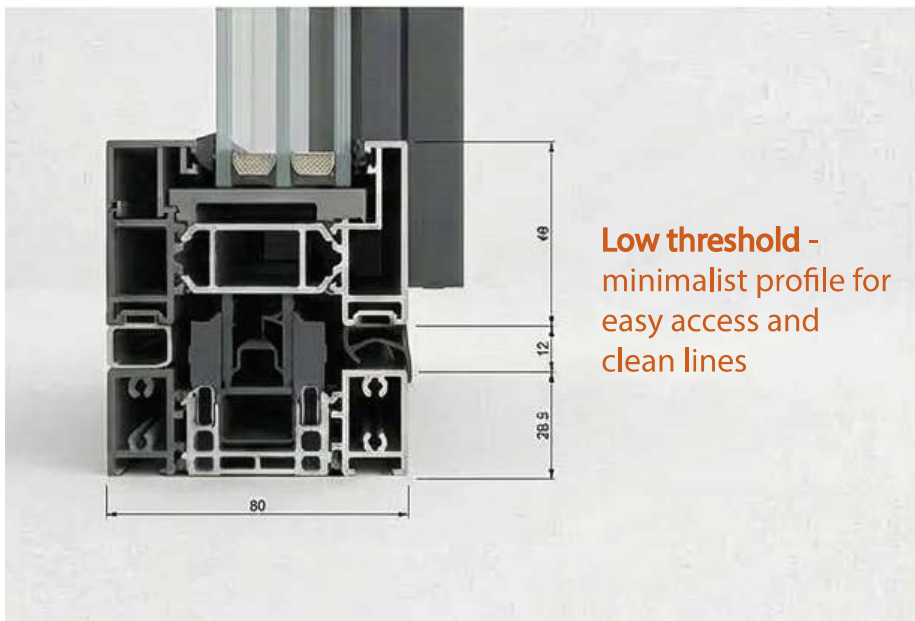
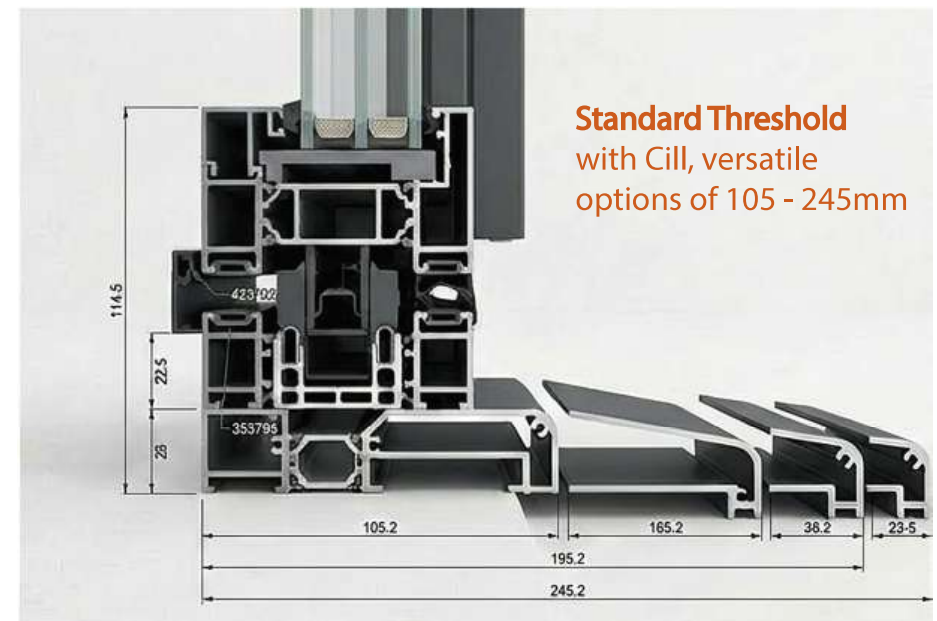
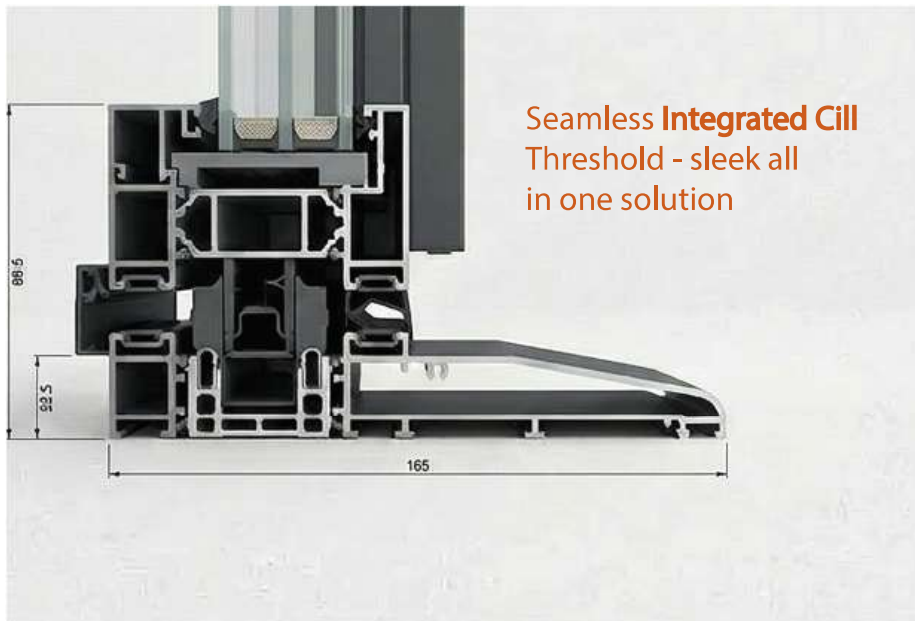


6-2-4



7-7-0





A threshold to suit every application and requirement

Inspired by colour

Marine grade Qualicoat as standard. With a choice of 150 RAL colours, along with anodised, woodgrain, and textured finishes, you have the freedom to tailor your windows and doors to suit any architectural style. From contemporary neutrals to bold statement tones, every finish is designed to enhance both appearance and longevity.



Over **150 RAL** colour options, from contemporary neutrals to bold statement tones.

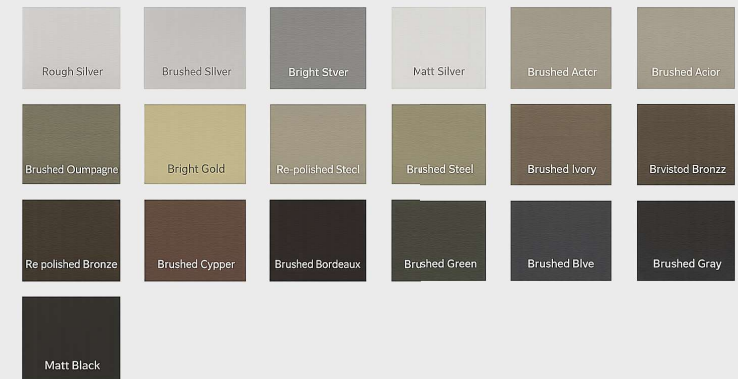
Dual-colour profiles offer the flexibility of different internal and external finishes

Standard colours are stocked for faster leadtimes, with additional RAL shades and finishes available to order. Dual colour profiles allow different internal and external finishes, ensuring seamless integration with both interior design and building facades.

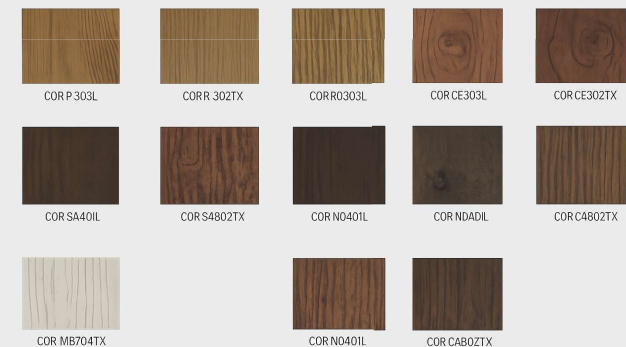
Premium decorative textured finish

Or for the ultimate in style and finish the premium and durable low-maintenance, scratch-resistant lightly textured decorative powder coat finish, in the range of RAL colours, delivering lasting performance.

Anodised finishes



Woodgrain finishes



Standard stocked colours shown Additional RAL colours and finishes available to order



Dual-colour profiles offer different interior and exterior finishes to match your building facade and interior design

Experience colour. Experience possibility....

The finishing touches...

Premium handles

Offering an elegant, seamless finish, the handle is available in four standard colours, with the **option to specify any RAL colour**, its architecturally refined design integrates effortlessly with the frame while remaining durable and practical for everyday use. Every handle is manufactured with the same meticulous attention to detail and commitment to quality found across the entire Axiom range, ensuring lasting performance and a consistently high-end finish



Cortizo Branded Master Door
Handles Standard Colours



Stainless Collection



Door locking cylinders

6-pin as standard, tested to
British Standard **BS EN
1303:2005**.

Optional

- 3-Star Kitemarked
- Thumb-turn
- Keyed-alike for multi-door-suiting



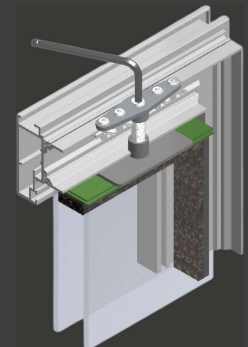
Master door restrictor

To prevent the door from
swinging open beyond
a certain point



Advanced glass adjuster

To adjust the toe and heeling
of the door after installation
without the need to remove
the bead, simply with an allen
key



Technical summary at a glance

Specification & Dimensions

- Market leading U-Value as low as 0.78 W/m²K
- Slim sightlines for maximum visibility
- Overall sash-sash sightlines of just 110mm
- Market leading sash sizes up to 1200mm x 3000mm
- Engineering grade stainless rollers
- Sash weight up to 120kg
- Configuration up to 14 sashes per door
- Document Q compliant/PAS24 security rated
- Adjustable jamb as standard
- Single sided roller-no need for a floating mullion

Glazing

- Double or triple glazed glazing options 28-48mm
- Enhanced thermal and acoustic glazing options
- Optional integral blinds
- Heritage-style astragal bars available

Hardware

- High-security hook and shootbolt locking
- Premium handles available in a full RAL colour range
- Engineering-grade rollers for smooth, effortless operation

Colour range

- Marine-grade powder coating as standard
- Standard colours white, grey, black, grey/white, black/white
- Special RAL colours, textured, anodised and foiled finishes available
- Dual colour - different colour inside to outside

Further options

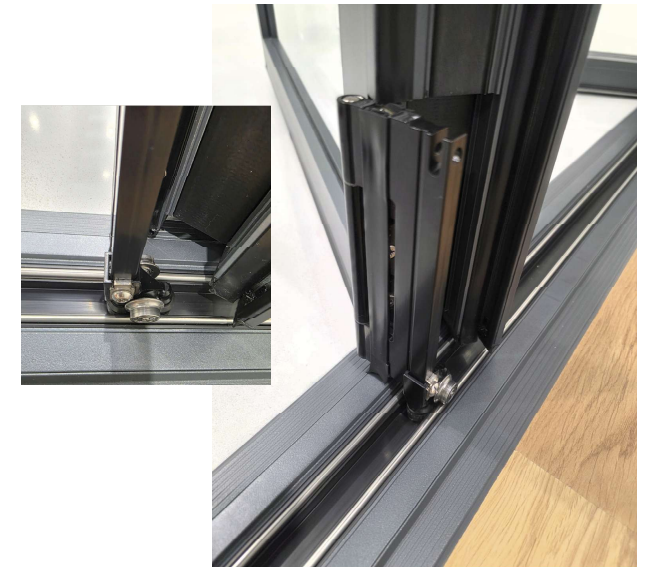
- Can also be specified as a bifolding window

Double and triple glazed

Pre-gasketed Easyfit clip in beads

Enhanced thermal properties

Double bearing stainless roller with a gimbal stabiliser



Design and specification



AXIOM GLASS

The right glass selection is essential to the comfort and performance of a home. Choosing glass based on orientation, location, and performance requirements can significantly improve energy efficiency, natural light, and everyday comfort.

High-performance glazing does more than provide a view. Our range of advanced glass solutions enhances thermal performance and creates bright, energy-efficient living spaces for both individual homes and larger developments.



Advances in the technology of modern glass types have enabled even more benefits to be gained from a standard sealed unit. Self cleaning, solar reflection or solar control options may now be demanded, combined with the more.



Solar Control

- Reduces solar heat gain while maintaining high levels of natural daylight.
- Improves comfort in living spaces and helps reduce reliance on air conditioning.
- Lowers energy consumption and running costs.
- Ideal for large glazed elevations, conservatories, and areas with high solar exposure.



Safety & Security

- Toughened or laminated glass provides increased impact resistance.
- Protects against accidental injury and deliberate attack.
- Maintains excellent light transmission.
- Meets modern building regulations and security requirements.



Self-Cleaning

- Reduces the need for regular cleaning of external glazing.
- Dual-action coating uses daylight and rain to break down and wash away dirt.
- Pilkington Activ™ technology keeps glass cleaner for longer.



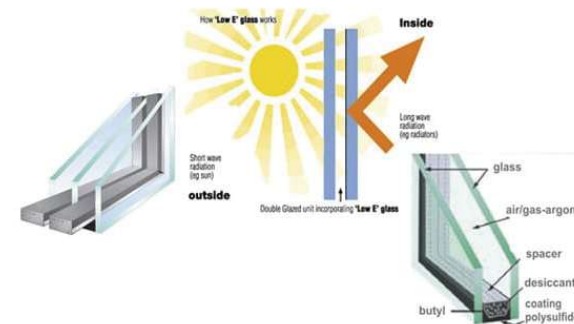
Noise Control

- Reduces external noise without compromising natural light.
- Suitable for environments affected by road, rail, aircraft, or industrial noise.
- Achieved through increased pane thickness or specialist laminated glass.
- Improves internal comfort by absorbing or reflecting sound energy.



Decorative Glass

- Wide range of decorative and patterned glass options.
- Provides varying levels of privacy while maximising light transmission.
- Allows personalisation of spaces to suit architectural and



Choose the Optimal Specification

Each glass option can be specified individually or combined to achieve the ideal balance of comfort, performance, security, and design for your project.

Choose the optimal glass specification

By adding elegant surface mounted bars onto the inside and outside of a window or door, with back to back spacer inside the glass unit, mirroring the external bars, creating the appearance of individual pieces of glass, for a contemporary look with horizontal bars, or a Georgian bar grid effect can be achieved. Manufactured with the same high quality aluminium, colour matched to the rest of the profile. This allows for just one pane of glass to be inserted, offering traditional aesthetics with all the benefits of modern performance qualities.



Modern windows with a twist - Astragal Georgian Bars



While you're here...

EcoMAX Glass

Window glass – better for the planet and eco-friendly, our seriously sustainable EcoMAX Glass™ aims to change the future of glazing forever. Produced from the highest level of recycled materials at one of our efficient UK glass plants – our almost 100% biodegradable EcoMAX Glass™ is the most eco-friendly glass window unit on the UK market.

EcoMAX Glass™ in partnership with Mossy Earth performs on par with typical A and A+ rated windows, whilst also being the most sustainable, eco-friendly glass unit on the market.

This eco-friendly glass unit is designed with sustainability at its core, providing MAXIMUM economical credentials.

Choose EcoMAX Glass™ and you'll be installing a new range of economical and environmentally friendly glass that's trying to change things for the better. One that's manufactured in the UK, with an increasing investment in renewable energies.

The environmental choice



AXIOM BLINDS

Adding a stylish finishing touch to your room, Integral venetian blinds in glass are a neat and stylish alternative to curtains, external blinds and other window dressings.

Perfect for controlling room temperature, maintaining privacy and protecting your furniture from fading giving the ultimate in protection from the heat and glare of the sun whilst remaining dust and dirt-free, forever.



G - Glazing with Integral Blinds

Venetian Blinds

Blinds that fit perfectly inside the double glazed unit, which means they won't get damaged and will never need cleaning.

Features and Benefits

Helps regulate energy – integral blinds give you better control of the temperature of your home, helping you stay cooler in summer and warmer through the winter. Integral blinds can keep out up to 70% of heat in the summer (solar reflection), keep out up to 78% of sunlight (light reflection) and absorb up to 88% of the sun's heat (solar absorption) creating a more comfortable home.

Totally hygienic – because they are sealed inside the glazing, integral blinds are dust and dirt free which makes them more hygienic than traditional blinds and other window dressings.

Child friendly – children can very easily pull the cords or put their fingers inside traditional Venetian blinds and cause damage or potentially hurt themselves. Integral blinds are child friendly as they are safely positioned inside the double-glazed unit.



No cleaning and maintenance free – integral blinds are sealed between the panes of glass in double glazed windows and doors. They are not exposed to the elements, dirty fingers or dust. The blinds are inside the glass, so they never need cleaning and are maintenance free. They are a fit and forget product.

Solar control – integral blinds are the ideal solution for controlling the heat and glare of the sun. They provide privacy and shading at the pull of a cord or the press of a switch.



Venetian blinds

SV system - with superior aesthetics, a manually operated sliding Venetian blind featuring a single, cleverly designed magnetic slider to control the whole operation positioned on a narrow slide guide on the edge of the sealed unit. With no cords on the face of the glass, this cordless slider integral blind control system allows the blind to be raised, lowered and tilted with ease completely cord free.

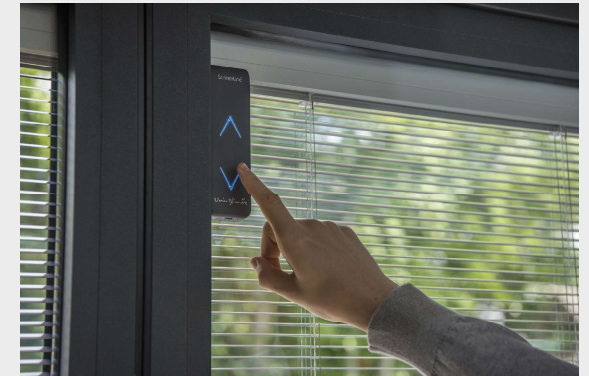
The closed-loop belt transmission system allows for smooth and long-lasting function of the blind, giving total reliability alongside peace of mind.

This delivers superb looking doors and windows every time. The slimness of the control device means the system is applicable to all types of door and window frames, even sliding ones.



W-Smart system - The latest in innovative and ecological Italian design, with this system the blind is raised or lowered via a control device attached to the window or by remote control. The Slat is tilted via a discreet slide button control which is magnetically attached to the double glazed unit.

Inside is a battery operated, motorised blind system. The system operates with standard, long-life rechargeable batteries and is equipped



Innovation built in

Why Apex — and our Axiom brand?

Established in 2004, Apex International UK Ltd brings over 20 years of expertise as a leading manufacturer and supplier of premium glazing and fenestration systems, creating high-end solutions that transform homes and developments into exceptional living spaces.

All Axiom products are manufactured in state-of-the-art facilities using advanced technology and precision-engineered processes, delivering striking design, uncompromising security, and long-term performance.

Our mission is simple: to create beautifully crafted systems that enhance the way you live. Every Axiom product is designed with meticulous attention to detail, ensuring optimised performance across durability, security, thermal efficiency, and aesthetics.



AXIOM

in partnership with



Why Cortizo?

With over 50 years of experience, Cortizo is a global leader in aluminum systems for residential and commercial construction. One of the world's largest system designers and manufacturers, Cortizo offers a complete range of high-performance windows, doors, façades, and solar protection solutions.

By controlling the entire production process in-house—from extrusion and surface finishing to machining and distribution—Cortizo ensures exceptional quality, durability, and consistency. Its aluminum systems combine modern design with outstanding thermal performance, support large openings, and are fully customizable, making them ideal for individual homes and large-scale developments alike.