



INNOVATION TECHNOLOGY QUALITY EFFICIENCY GUARANTEE SUSTAINABILITY AESTHETIC FUNCTIONALITY DESIGN COMFORT R+D+I

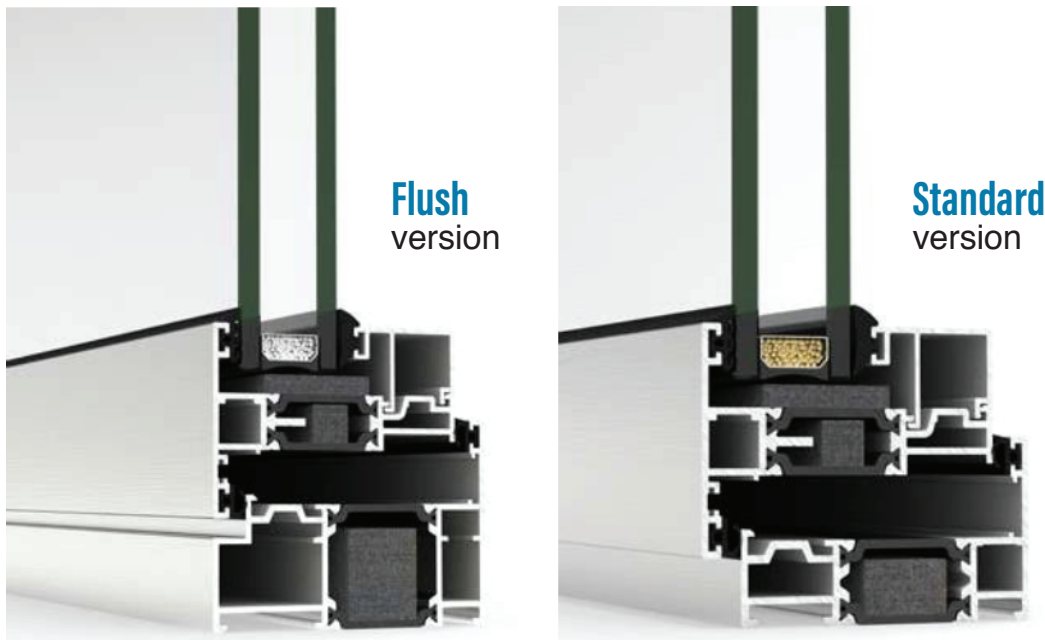


## CASEMENT SYSTEM

CORTIZO has designed more than 50 exclusive systems of windows, facades, composite panel, solar protection systems and balustrade. This commitment to innovation allows us to offer high value added products, maximizing energy efficiency, thermal and accoustic insulationand resistance to atmospheric agents.



## CASEMENT SYSTEM



Hinged window system with thermal break and a slim sideline of just 65 mm, which allows a great brightness inside the room. With a modern aesthetic of straight lines, it has profiles tailored for residential and commercial projects, and both for new build and renovation. This system also stands out for its ease in fabrication and assembly, offering excellent performance in thermal and acoustic tests.

- It has an excellent energy efficiency: window transmittance from 1,0 (W/ m2K)\*
- Noise protection: up to 45 dB acous- tic reduction.
- Maximum tightness: CLASS E1200, which means during 75 minutes, total affluent of 450 liters and wind velocity of 161 km/h, there's no water intake.

### CATEGORIES ACHIEVED AT TEST CENTRE\*

Air permeability	CLASS 4 (max)
Water tightness	CLASS E1200
Wind resistance	CE 2400
PAS24 Security test	APT

### OPENING POSSIBILITIES

Open out: side hung and top hung.

CONSULT TYPOLOGY, DIMENSION AND GLASS.



## CASEMENT SYSTEM



### RESISTANCE TO ATMOSPHERIC AGENTS (CORTIZO COMFORT)

All of CORTIZO's enclosing systems are tested in the Test Laboratory at the Technological Center to guarantee the best performance in watertightness, air permeability and wind loads, endorsed by the maximum results in its test qualifications.

### THERMAL INSULATION (CORTIZO ENERGY EFFICIENCY)

Nowadays energy efficiency in buildings is a demand made, both by the architects, as by the final customer aware of the importance of saving on heating costs and air conditioner. CORTIZO meets such challenge with systems for every climatic area with a high insulation coefficient to ensure the comfort in the residence.

### ACOUSTIC INSULATION (CORTIZO SILENCE)

In order to transform the residence into a private space, intimate and free of pollution outdoor acoustics, CORTIZO has designed its enclosing systems with all the latest technological developments necessary to ensure indoors peace and relax.

### UNLIMITED COLOUR RANGE (CORTIZO COLOURS)

The whole RAL colour chart in powder coating, exclusive powder coating, metallic, textured, wood effect, more than 100 finishes in anodized. Aluminum on the outside and wood in the inside, two-coloured finishes... An unlimited offer to create a colour harmony at home. Quality labels in every process: QUALICOAT, SEA-SIDE, QUALIDECO and QUALANOD.

### AVANT-GARDE AESTHETICS (CORTIZO DESIGN)

We create tailor-made windows and façades for every project. Creativity to answer aesthetically and functionally to each demand. Aesthetic answers to the technical needs. Creativity at the service of habitable environments.

### ENCLOSURES FOR LIFE (CORTIZO DURABILITY)

Aluminum is the most durable, long-standing and resistant material of those used in enclosures. Aluminum has the strength and a durability of the things that last a whole lifetime.

### SUSTAINABLE SPIRIT (CORTIZO SUSTAINABILITY)

Respect for the environment is CORTIZO'S commitment. Using innocuous raw materials and products in all our manufacturing process and the limitless possibility of aluminum recycling, allows us to remove any creation of waste and environmental risks







# CURTAIN WALLING SYSTEM



The profiles can be used to create a flat, faceted, curved or angled façade using mullion and transom designs. Ideal for installation in public buildings, offices, leisure facilities and domestic applications, curtain wall maximises natural light in common areas and creates impressive building façades.

### Design Options

- Slim 50mm sight lines
- 75, 100 or 125mm box & plate sections
- 50, 75, 100, 125, 150 or 175mm solid box sections
- Bull nose, aero or flat capping options
- Co-extruded pressure plate
- Reinforcement profiles
- Compatible roofing system

### Performance

- Air permeability: 600Pa
- Water ingress: 600Pa
- Wind resistance: Serviceability - 1500Pa
- Wind resistance: Static - 2250Pa

### TECHNICAL SPECIFICATION

Application	Residential and commercial - new build and refurbishment.
Maximum height	To be calculated in accordance with individual site conditions.
U-Value	To be calculated in accordance with individual site conditions
Jointing	Mechanical corner and transom / mullion jointing..
Glazing options	Insulated Glass Units or composite panels: 24mm, 28mm and 30mm thick  Single glazed variants: 6mm, 6.4mm, 8.8mm, 10mm, 10.8mm, 14mm, 17mm and 19mm thick.
Performance	Water ingress 600Pa  Air permeability 600Pa  Wind resistance - serviceability - 1500Pa  Wind resistance - static - 2250Pa
Finishes	Mill finish.  Etched and anodised Silver AA25 or colours on request.  Polyester powder coat paint. See separate list for standard colour range available.
Single or dual colour profiles	Option
Design standards	BS EN 12020-2:2001 <i>Aluminium and aluminium alloys, extruded precision profiles.</i>  BS 3987:1991 <i>Specification for anodic oxide coatings.</i>  BS EN 12206-1:2021 <i>Paints and varnishes, coating of aluminium and aluminium alloys.</i>  BS EN 13830:2015+A1:2020 <i>Curtain walling - product standard.</i>  CWCT & BS EN 13830 <i>Test data.</i>