



## COR 70 HIDDEN SASH SYSTEM

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

INNOVATION

TECHNOLOGY

QUALITY

EFFICIENCY

GUARANTEE

SUSTAINABILITY

AESTHETIC

FUNCTIONALITY

DESIGN

COMFORT

R+D+I

# COR 70 HIDDEN SASH



Less sight profile, more luminosity with excellent values. New hidden sash Euro-Groove design with section profile of 66mm.

Maximum glazing area, 85% window glazing area. Excellent luminosity in internal spaces.

- It has an excellent energy efficiency: door transmittance from 1.0 (W/m<sup>2</sup>K)\*.
- Maximum noise protection: up to 46 dB acoustic reduction.
- Unbeatable tightness: CLASS E1650, which means during 95 minutes, total affluent of 570 liters and wind velocity of 188 km/h, there's no water intake.
- Possibility of hidden hinges and Evo Security hardware.

## CATEGORIES ACHIEVED AT TEST CENTRE\*

Air permeability	CLASS 4 (max)
Water tightness	CLASS E1650
Wind resistance	CLASS C5 (max)

DTA certification from CSTB lab  
Ref. 6/17 - 2363



Security Test: passed



## OPENING POSSIBILITIES

Interior side hung 1 & 2 sashes, tilt&turn 1 & 2 sashes and tilt.

\*CONSULT TYPOLOGY, DIMENSION AND GLASS.



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## 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.



## COR 80 HIDDEN SASH SYSTEM

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# COR 80 HIDDEN SASH



Less section sightline, more luminosity with excellent values. New hidden sash Euro-Groove design with profile sightline section of 66 mm.

Maximum glazing area, 85% window glazing area. Extraordinary brightness gain in internal spaces.

- It has an excellent energy efficiency: window transmittance from 0,8 (W/m<sup>2</sup>K)\*
- Maximum noise protection: up to 46 dB acoustic reduction.
- Possibility of hidden hinges, hidden handle and Evo Security hardware.

#### CATEGORIES ACHIEVED AT TEST CENTRE\*

Air permeability	CLASS 4 (max)
Water tightness	CLASS E1500
Wind resistance	CLASS C5 (max)

#### OPENING POSSIBILITIES

Inward opening: Side Hung, Turn&tilt  
Bottom hung.

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# COR 70 INDUSTRIAL SYSTEM



Hinged window system with Thermal Break of maximum features to minimum priced.

- It has an excellent energy efficiency: window transmittance from 0.9 (W/m<sup>2</sup>K)\*
- Maximum noise protection: up to 44dB acoustic reduction
- Total water 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..
- Possibility of security hardware.

#### CATEGORIES ACHIEVED AT TEST CENTRE\*

Air permeability	CLASS 4 (max)
Water tightness	CLASS E1200
Wind resistance	CLASS C5 (max)
Burglary resistance	Grade RC2 (WK2)

DTA certification  
from CSTB lab  
**Ref. 6/17 - 2363**



Security Test: passed



#### OPENING POSSIBILITIES

Inward opening: side hung, tilt&turn, bi-fold, parallel tilt and tilt.  
Outwards opening: Side hung, top hung, Pivoting on horizontal or vertical axis.

\*CONSULT TYPOLOGY, DIMENSION AND GLASS.



## RESISTANCE TO ATMOSPHERIC AGENTS [CORTIZO COMFORT]

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## THERMAL INSULATION [CORTIZO ENERGY EFFICIENCY]

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Maximum energy saving, acoustic protection and tightness with least assembly time. New hinged system concept with 80 mm Canal European depth frame to be able to reach maximum tightness, energy savings and acoustic protection values.

- It has an excellent energy efficiency: window transmittance from 0,8 (W/m<sup>2</sup>K)\*.
- Noise protection: up to 46 dB acoustic reduction.
- MMaximum tightness: CLASS E1950, which means during 100 minutes, total affluent of 600 liters and wind velocity of 205km/h, there's no water intake.
- Possibility of hidden hinges hardware and Evo Security hardware.

#### CATEGORIES ACHIEVED AT TEST CENTRE\*

Air permeability	CLASS 4 (máxima)
Water tightness	CLASS E1950
Wind resistance	CLASS C5 (máxima)

#### OPENING POSSIBILITIES

Inward opening: side hung, tilt&turn, parallel tilt and tilt.  
Outwards opening: side hung and projecting.

\*CONSULT TYPOLOGY, DIMENSION AND GLASS.



## 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]

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## COR 80 INDUSTRIAL PASSIVHAUS SYSTEM

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# COR 80 INDUSTRIAL PASSIVHAUS



This european groove hinged system allows to achieve maximum levels of water tightness, energy efficiency and acoustic protection with less fabrication and installation time. With 80 mm of frame depth, it is suitable for the most severe climate conditions, with unbeatable energy efficiency rating.

The Passivhaus version, with U value of 0,66 W/m<sup>2</sup>K, has been developed for the warm-temperate category (warm and tempered climate), being the ideal solution for buildings with low energy consumption in most part of Europe.

- Noise protection: up to 46 dB of acoustic reduction
- Excellent thermal performance: window U value from 0,66 (W/m<sup>2</sup>K)\*
- Passivhaus warm-temperate certified (warm and tempered climate):



## CATEGORIES ACHIEVED AT TEST CENTRE\*

Air permeability	CLASS 4 (max)
Water tightness	CLASS E1950
Wind resistance	CLASS C5 (max)

## OPENING POSSIBILITIES

Side hung, tilt and turn and tilt only

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## RESISTANCE TO ATMOSPHERIC AGENTS [CORTIZO COMFORT]

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## THERMAL INSULATION [CORTIZO ENERGY EFFICIENCY]

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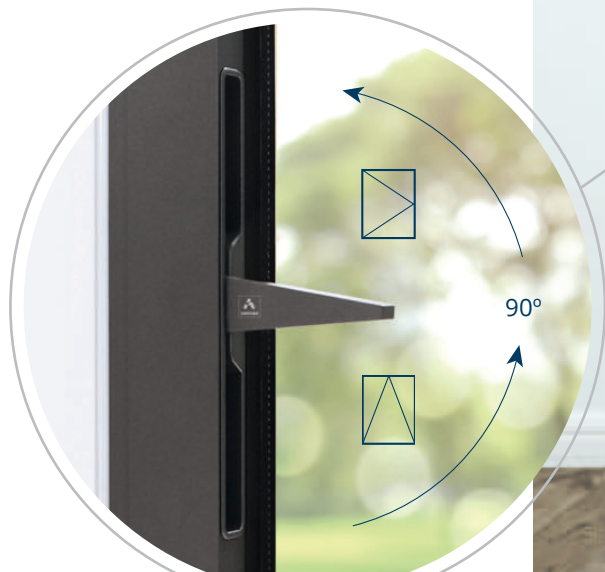
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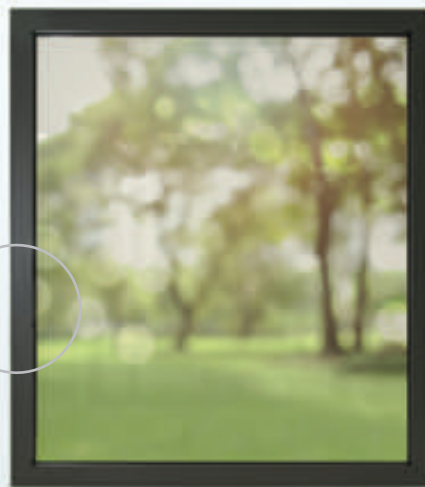
# ARCH INVISIBLE

BY CORTIZO

- » Exclusive handle integrated in the sash profile, invisible at front view.
- » Possibility of concealed hinges enhancing the aesthetic purity of the window



First **invisible handle** on the market



- » Solution for hidden sash windows: COR 80 Hidden Sash and COR 70 Hidden Sash.
- » Dimensions: 27.5mm (W) x 234mm (H).
- » Ergonomics, robustness and usability during opening and closing manoeuvres.
- » Aesthetics totally clean simulating a fixed light, when in reality it consists of an operable window.



## CASEMENT SYSTEM

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# 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/m<sup>2</sup>K)\*
- Noise protection: up to 45 dB acoustic 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.

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