

Sistema / System

COR 70 HOJA OCULTA HIDDEN SASH



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

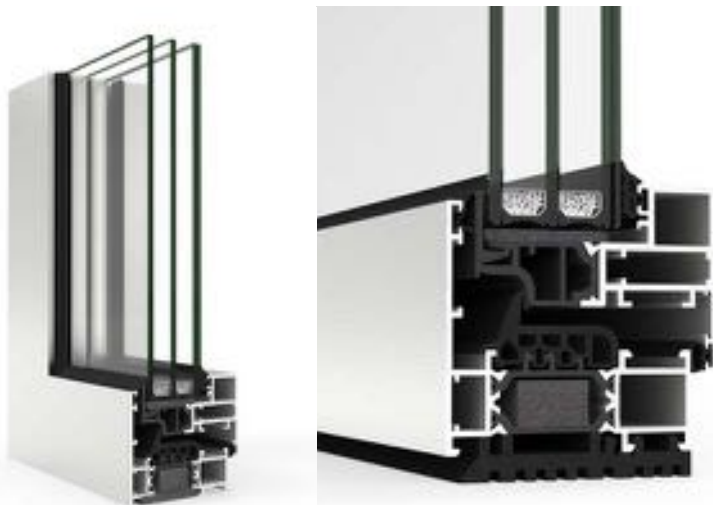
FUNCTIONALITY

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/m²K)*.
- 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.



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.



FOR MORE INFORMATION
VISIT OUR WEB
www.cortizo.com



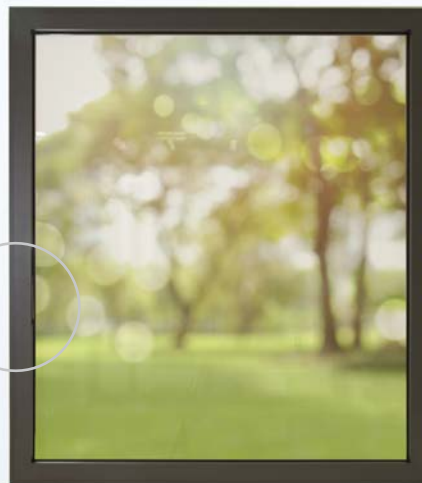
ARCH INVISIBLE

BY CORTIZO

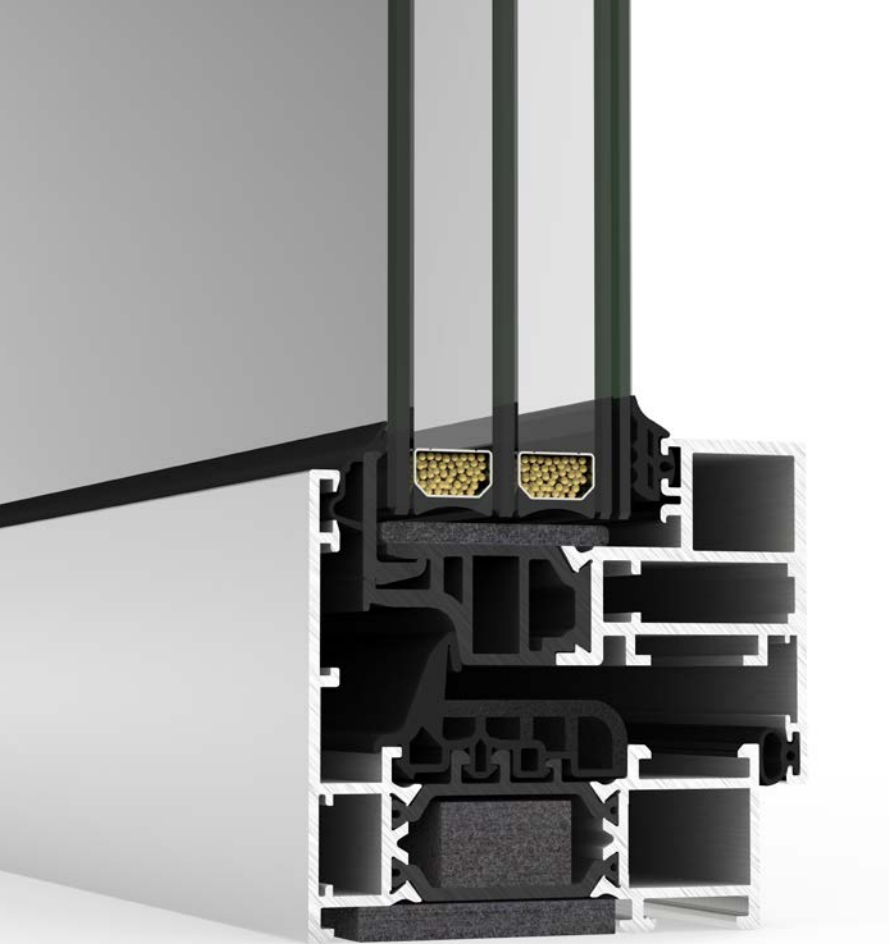
- » Exclusive handle integrated in the sash profile, invisible at front view.
- » Possibility of concealed hinges enhancing the aesthetic purity of the window



First ***invisible handle*** on the market



- » Solution for hidden sash windows: COR 80 HO and COR 70 HO.
- » 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.



COR 70

HIDDEN SASH **TBB**

MAXIMUM GLAZING AREA, 85% window glazing area. Excellent luminosity in internal spaces.



$U_w \geq 1,0$ (W/m²K)

Please consult typology, dimensions and glazing



CLASS
4



CLASS
E1650



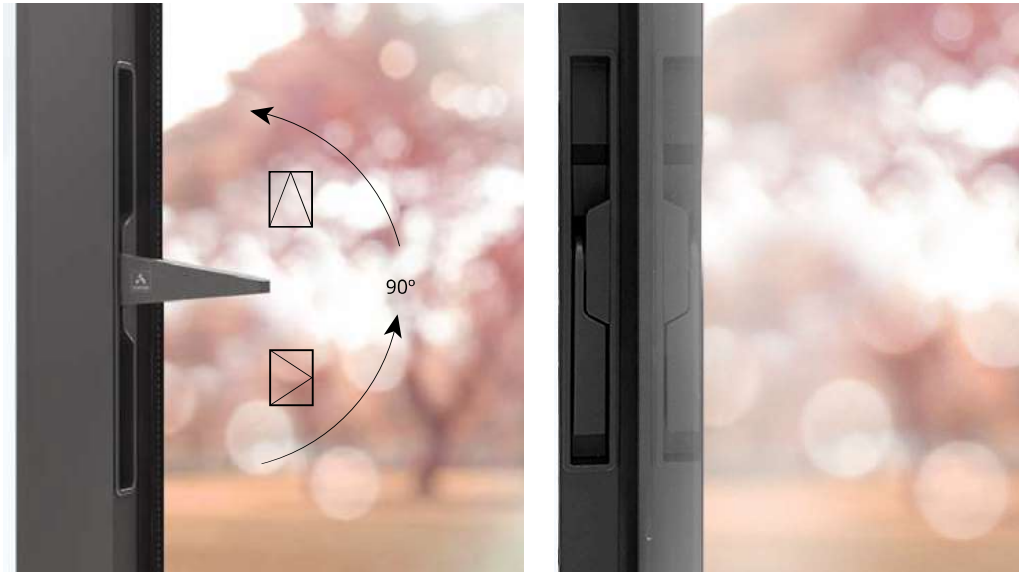
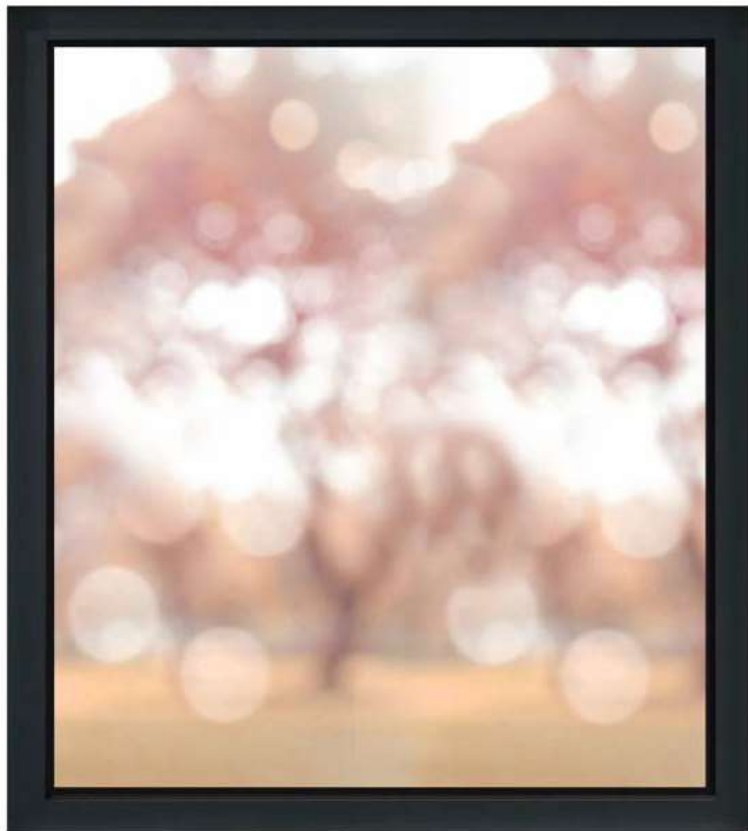
CLASS
C5

Maximum acoustic insulation: 46 dB
Maximum glazing: 40 mm

Frame depth: 70 mm
Face width: 66 mm
Maximum dimensions / sash:
Standard 1300 x 2400 mm
HD (Side hung) 1200 x 3500 mm
Maximum weight / sash: 160 kg

INWARDS OPENING
Side hung 1 & 2 sashes
Turn & tilt 1 & 2 sashes
Bottom hung 1 sash

Consult maximum weight and dimensions according to typologies



ARCH INVISIBLE HANDLE

Exclusive handle integrated within the sash, imperceptible from the frontal view

Compatible with the COR 80 Hidden Sash and COR 70 Hidden Sash systems
Ergonomics, robustness and easy handling in the opening and closing operations
Ideal for combination with concealed hinges, achieving a totally clean aesthetic
Dimensions 27.5 x 234 mm

ENERGY EFFICIENCY

Thermal Transmission Coefficient
 $U_w \geq 1.0$ (W/m²K)

Please consult typology, dimensions and glazing.

ACCOUSTIC INSULATION

Maximum glazing: **40 mm**
 Maximum acoustic insulation: **Rw = 46 dB**

CATEGORIES ACHIEVED AT TEST CENTRE

Protection against atmospheric agents

Air permeability (EN 12207):

Class 4

Water tightness (EN 12208):

Class E1650

Wind resistance (EN 12210):


Class C5

Reference test 1.23 x 1.48 m / 1 Sash

Security Test: **PAS24**

Passed

Reference test 1.100 x 2.400 m / 1 sash

SECTIONS	Frame 70 mm Sash 70 mm	EXTRUSION ALLOY	6063 T-5
PROFILE THICKNESS	Window 1.9 mm	POLYAMIDE STRIP LENGTH	Polyamide 6.6 reinforced with 25% fiberglass: 35 mm
MAXIMUM DIMENSIONS	Standard solution Width (L) = 1.300 mm Height (H) = 2.400 mm HD Hinges (side hung) Width (L) = 1.200 mm Height (H) = 3.500 mm	GASKETS	EPDM triple gasket
MAXIMUM WEIGHT/SASH	160 Kg	FOAMS	Perimeter polyolefin foam in glazing rebate zone
Please consult maximum dimensions according to types.		OPENING POSIBILITIES	INWARD Side hung, tilt and turn&tilt
FINISHES	Colour powder coating (RAL, mottled, rough...) According to Qualicoat >60 microns Wood effect powder coating According to Qualideco standard Anodized According to Ewwa Euras Standard Class 15 Optionally Class 20 and 25 Optionally bicoloured	CERTIFICATES	DTA certification from CSTB lab. 
HARDWARE	Optionally concealed hinges Optionally security hardware	Certification - 3204	

