



YOUR PARTNER CLARA WINDOWS



Made in Switzerland

AGC MIRODAN
Industrielaan 1
BE – 8501 Kortrijk (Courtrai)

info@clarafenster.ch
www.clarafenster.ch
www.agc-yourglass.com



 **Clara**
by AGC

The Window with a View

« STUDY NATURE, LOVE NATURE, STAY CLOSE TO NATURE AND IT WILL NEVER FAIL YOU ». AS THE GREAT FRANK LLOYD WRIGHT ONCE SAID. LIGHT SHOULD INSPIRE YOU, AND WHAT'S MORE, VITALISE YOU. HE WOULD HAVE LIKED CLARA WINDOWS.

EVOLUTION IS FOLLOWED BY REVOLUTION

Architects and builders wish to have modern windows that are large and transparent. They should let as much natural light into the room as possible, minimise heat loss in winter, be soundproofed and, extending beyond that, make life very difficult for burglars.

Thanks to the evolution in window technology, thermal insulation, energy efficiency and sound insulation have long become standard features whilst frost patterns and draughty windows are now fortunately a thing of the past. So far, so good? That's not good enough for us yet, so we deconstructed and re-designed the window at Clara.





RE-THINKING WINDOWS

How does every window become a panoramic window? How do we replace frames, mullions and sash bars that break up the view outside and reduce the incidence of light? How do we still manage to create a sturdy, airtight window with excellent levels of stability?

The answer was an innovation: Clara windows, the world's first frameless windows with a casement made entirely of glass. The elegant, refined design perfectly complements contemporary architecture, fills rooms with light and offers almost unlimited freedom of design. Clara, the window with a view. Made in Switzerland.

GLASS IS THE ARCHITECTURAL DESIGN ELEMENT OF THE 21ST CENTURY. CLARA WINDOWS COMBINE THE TRANSPARENCY, EXTENSIVENESS AND OPENNESS WITH ALL THE BENEFITS OF A CLASSIC TILT-AND-TURN WINDOW.



CLARA WINDOWS ARE 6 TIMES MORE CONVINCING

ELEGANT, REFINED DESIGN

The continuous glass surface of a Clara casement allows the boundaries between inside and outside to merge.

ROOMS THAT ARE FLOODED WITH LIGHT

The unique design of the Clara windows UNO₈₆ with frameless casements allows up to 15 % more natural light to enter the room.





CLARA THE PANORAMIC WINDOW TO THE WORLD

BOUNDLESS DESIGN FREEDOM

Every Clara window is a unique item that adapts perfectly to people's personal preferences in terms of interior design and architectural style.

ENERGY PERFORMANCE

Clara windows are ideally suited to energy-oriented refurbishment, due to the fact they obviously meet the Minergie standard.

MODERN COMFORT

Clara windows create cosy rooms with a maximum comfort factor, provide excellent sound insulation and are easy to clean.

OPTIMAL BURGLARY PROTECTION WINDOW

Clara windows are made of tempered glass and can only be levered out with difficulty thanks to the continuous glass surface and hidden fittings.

NATURAL LIGHT FOR
A GREATER FEELING
OF WELLBEING





CLARA WINDOWS UNO₈₆ PROVIDE YOU WITH UP TO 15 % MORE NATURAL LIGHT



Filling the rooms with natural daylight and being connected with the outside environment - many builders share these wishes. The window frame accounts for up to 35 % of the surface area of classic wooden windows, plastic windows or aluminium composite windows consist, and this unfortunately also reduces the incidence of light. This is where Clara windows UNO₈₆ come into play: the unique frameless design of the casements allows up to 15 % more light into the building and thus also increases the solar input.

Natural light has a positive effect on our feeling of well-being. Thanks to the higher incidence of light, Clara windows UNO₈₆ provide our melatonin household with an additional dose of daylight, thus creating the basis for a healthy day-night rhythm.

THE GREEN LIGHT FOR HIGH LEVELS OF ENERGY EFFICIENCY



OUTSTANDING HEAT INSULATION VALUES

Thanks to multiple insulating glass, heat-insulating frame structures, innovative glass coatings and warm edge spacers, a modern window has thermal insulation properties that are approx. 300 % better than its predecessors in the mid-1990s. Technological progress thus means that fans of large, floor-to-ceiling window facades, have much cause for celebration, as they now also receive the green light from an energy point of view as well. In winter they help to reduce heating costs, while in summer they reduce cooling costs



PERFECT FOR ENERGY-ORIENTED REFURBISHMENT

The trend towards extensive panoramic windows can even be accommodated with passive house standard, as Clara windows impressively demonstrate. They fulfil the Minergie standards and are ideal for the energy-oriented refurbishment of building envelopes. Depending on the window design, Clara windows UNO₈₆ achieve optimum thermal insulation values between 0.75 and 0.89 U_w. The thermal insulation coefficient of the glazing is between 0.5 and 0.7 U_g. (Certificates can be seen on www.clarafenster.ch)

EVERY CLARA WINDOW IS A UNIQUE ITEM



ELEGANT, REFINED DESIGN



The continuous glass surface of a Clara window allows the boundaries between inside and outside to merge. The casements are designed without corners and edges. Functional components such as the locking mechanism, fittings or seals are elegantly concealed behind narrow, surrounding enamel strips.



(ALMOST) BOUNDLESS DESIGN FREEDOM

Every Clara window is a unique item that adapts perfectly to people's personal preferences in terms of interior design and architectural style. The entire RAL colour palette is available for the design of the frame construction as well as the enamel edges inside and out. The window handles are of course freely selectable.

WINDOW CLEANING BECOMES CHILD'S PLAY

Clara windows are a prime example of what modern windows can contribute towards our feelings of personal comfort. The outstanding thermal insulation value guarantees cosier rooms with a maximum feel-good factor. The innovative frame design on the inside also ensures excellent sound insulation values. Window cleaning also becomes child's play due to the fact the window frames and casements are on one level. No corners and edges, no seals in which dirt can accumulate.





LIVING COMFORT WITH SAFETY BENEFITS



WHAT'S MORE:
A WINDOW OFFERING
OPTIMAL BURGLARY
PROTECTION

A Clara window can only be levered out with difficulty thanks to the continuous glass surface and concealed fittings. In addition the glass surfaces consist of specially hardened glass panes. In addition to their elegant appearance and optimum thermal insulation properties, you also benefit from outstanding burglary protection.

TECHNICAL DATA DUO

Clara Duo: with a unique design, which has a flush finish both on the inside between the frame and sash, and at the same time on the outside between the aluminium shell and sash.



Window system	CLARA DUO
Element thickness	Frame cross-section 45 – 150 x 58 mm Aluminium cladding CLARA, Welded corners Fixed in place by clip holders, sliding on the wooden construction
Casement thickness	68 mm to 72 mm
Structure	Standard Windows French Window Window Areas
	Laminated safety glass
	Soundproof glass *Sound insulation film
Enamel coating	RAL 9016, RAL 9005, RAL 8011, RAL 7016, RAL 7040, RAL 7047 Standard Further colours are available for an additional charge
Wood types	Standard: Spruce Select quality, artificially dried to levels of about 10 to 12%. Available for an additional charge: Oak, larch, meranti With covering paints: Finger-jointed wood In the case of glazes: visible solid wood layer
Wood surfaces	4-layer system structure, impregnated, base coat and top coat
Fittings	Brand: Siegenia Model: Axxent 24 completely concealed
Seals	3 sealing levels
Frame drip sill	Anodised aluminium EV01, other colours available for an additional charge
Thermal insulation	U_f (frame profile) = 1.53 W/m ² K U_g (sash / glass) = from 0.5 to 0.7 W/m ² K U_w (window) = from 0.84 to 0.94 W/m ² K
Solar factor	g = 56 %
Sound insulation	38 dB (-2;-5) - 41 dB (-1,-4)
Resistance to driving rain	Class 9A according to DIN EN 12208
Resistance to wind loads	Class B3 according to DIN EN 12210
Air permeability	Class 4 according to DIN EN 12207



Window system	CLARA UNO ₈₆
Element thickness	Frame cross-section 45 – 150 x 72 mm Aluminium cladding, CLARA, Welded corners Fixed in place by clip holders, sliding on the wooden construction
Casement thickness	68 mm to 72 mm
Structure	Standard Windows French Windows Window Areas > 4m ²
	Laminated safety glass
	Soundproof glass <small>*Sound insulation film</small>
Enamel coating	RAL 9016, RAL 9005, RAL 8011, RAL 7016, RAL 7040, RAL 7047 Standard Further colours are available for an additional charge
Wood types	Standard: Spruce Select quality, artificially dried to levels of about 10 to 12%. Available for an additional charge: Oak, larch, meranti With covering paints: Finger-jointed wood In the case of glazes: visible solid wood layer
Wood surfaces	4-layer system structure, impregnated, base coat and top coat
Fittings	Brand: Siegenia Model: Axxent 24 completely concealed
Seals	3 sealing levels
Frame drip sill	Anodised aluminium EV01, other colours available for an additional charge
Thermal insulation	U_f (frame profile) = 1.41 W/m ² K U_g (sash / glass) = from 0.5 to 0.7 W/m ² K U_w (window) = from 0.75 to 0.89 W/m ² K
Solar factor	g = 56 %
Sound insulation	38 dB (-2;-5)) - 41 dB (-1,-4)
Resistance to driving rain	Class 9A according to DIN EN 12208
Resistance to wind loads	Class B3 according to DIN EN 12210
Air permeability	Class 4 according to DIN EN 12207

TECHNICAL DATA UNO₈₆

Clara Uno₈₆: comes with a flush design on the inside between the frame and the sash. In addition, a concealed sash on the outside behind the aluminium shell facilitates a minimalist, modern and filigree design to ensure maximum levels of lighting gain.



Technical drawings, cut sections, test reports and certificates are available for download at www.clarafenster.ch. We shall of course be at your disposal at any time if you have any further questions or wish to visit our showroom.