

OVERLUX FLAT



Wood/Aluminium Windows and French Doors



OVERLUX series

Wood/Aluminium Windows
and French Doors



Spaces that adapt to your lifestyle. Introducing **OVERLUX FLAT**, the wood-aluminium window with a flush design that combines modern elegance with tailor-made customization. The wooden interior suits every taste and environment, providing warmth, naturalness, and a welcoming atmosphere, while the exterior, featuring flush aluminium profiles, creates a clean and contemporary aesthetic, symbolizing innovation and minimalism. Attention to design does not compromise performance: thanks to the triple glazing..

The strong focus on design does not compromise performance: **OVERLUX FLAT** offers high thermal and acoustic efficiency, ensuring comfort, energy savings, and well-being in every season. Every element is designed to enhance natural light and create a harmonious dialogue between interior and exterior, making the window not just a functional component, but a true protagonist of the space.

OVERLUX FLAT: personality and technology come together to define a modern and high-performance style, designed for those who want the very best from their home.

FLUSH DESIGN, MAXIMUM PERFORMANCE



FLUSH PROFILES THAT HIGHLIGHT LINEARITY AND MODERNITY



CUSTOMIZABLE WOODEN INTERIORS FOR EVERY ENVIRONMENT



ELEGANT AND DURABLE ALUMINIUM EXTERIOR

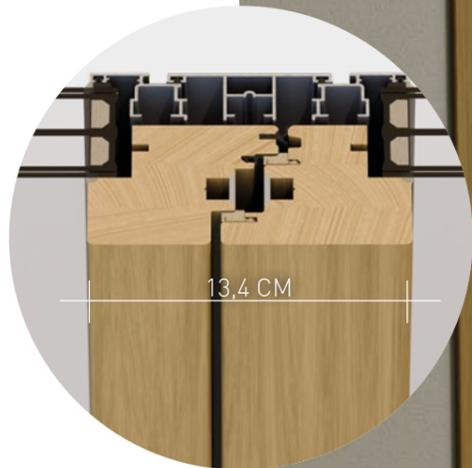


TRIPLE GLAZING FOR HIGH THERMAL AND ACOUSTIC PERFORMANCE



OVERLUX FLAT

INSIDE VIEW



CENTRAL JOINT
SELECTABLE
FROM 3 MODELS

VISIBLE OR CONCEALED
HINGES

TRIPLE
GLAZING AS
STANDARD

VERY MINIMAL SASH
PROFILE, WITHOUT
VISIBLE GLAZING BEAD,
CUSTOMIZABLE IN 3
SHAPES

EASY CLEANING AND
MINIMALISM THANKS
TO THE FRAME WITH
INTEGRATED FLAP

STANDARD LOWERED
ALUMINIUM THRESHOLD
FOR PATIO DOORS



OVERLUX FLAT

EXTERIOR VIEW



LOWERED ALUMINIUM THRESHOLD

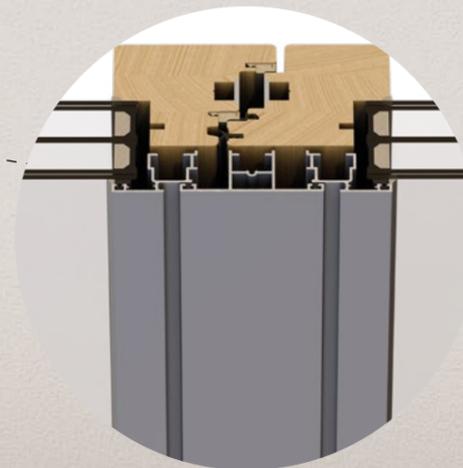


*Example of application on sub-frame.



ESSENTIAL AND MINIMAL EXTERIOR VIEW *

TRIPLE GLAZING AS STANDARD



CENTRAL NODE FLUSH ON THE EXTERIOR SIDE

— OVERLUX FLAT

CLEAN AND
MINIMAL LINES.



Features



DESCRIPTION

Wood-aluminium windows with a flush, **minimalist design**, featuring slim profiles and clean lines that enhance modern, bright spaces filled with natural light. The internal structure is made of **three-layer laminated wood**, available in fine species such as **pine, fir, oak, okoumé**, or others upon request, adding a unique touch of warmth and natural beauty.

On the exterior, the flush **aluminium cover** provides excellent **protection against the elements, combining durability with a refined, contemporary aesthetic**. These windows are designed for those seeking high thermal and acoustic performance, long-lasting durability, and a modern, timeless style—offering the comfort and warmth of wood inside and the robustness of aluminium outside..



WOOD PROTECTION

Protective treatment **using a cycle based on acrylic resin in aqueous emulsion**, applied in **three to six coats** depending on the desired finish and level of protection. Natural or pigmented finishes are available to highlight the wood grain or to match any architectural style.



DIMENSIONS

- **Fixed frame in laminated wood:** nominal section 64.5 × 70 mm
- **Movable sash in laminated wood:** nominal section 68 × 79 mm



HARDWARE

Standard hardware features an advanced locking system, with anti-burglary locking points distributed around the entire perimeter for effective, continuous protection. It includes tilt-and-turn functionality, micro-ventilation, lever handle, and mechanisms designed to ensure smooth operation, long-term durability, and maximum user comfort. A complete set-up, designed for daily use that is safe, practical, and quiet.



GASKETS AND SEALING

Compression sealing system with high-resilience polyurethane foam gaskets applied along the entire perimeter of the window. Elastic and resistant to weathering, they provide an excellent barrier against air, water, and noise, maintaining high thermal and acoustic performance over time and ensuring effective adherence even after prolonged use.



INSULATED GLASS UNIT

Designed for high-performance triple glazing with **Argon gas** and standard **Warm Edge** spacer, **Overlux FLAT** ensures excellent thermal efficiency and indoor comfort. The range of available glazing options includes **low-emissivity, solar control, acoustic, and safety glass, as well as satin or decorative variants**, to meet every aesthetic and functional requirement.



THERMAL TRANSMITTANCE*

Thermal insulation achievable up to a UW value of 0.76 W/m²K.
 *Thermal values calculated according to UNI EN ISO 10077-1 and 2 standards, for a spruce wood window with 1 sash, dimensions 1230 x 1480 mm (according to UNI EN 14351-1 standard), using low-emissivity triple glazing with Ug = 0.5 W/m²K.



ACOUSTIC INSULATION

Sound reduction **from 31 dB up to 43 dB**, depending on the type of glass selected. Special glazing options are available for high acoustic requirements, **including custom solutions** outside the standard range.



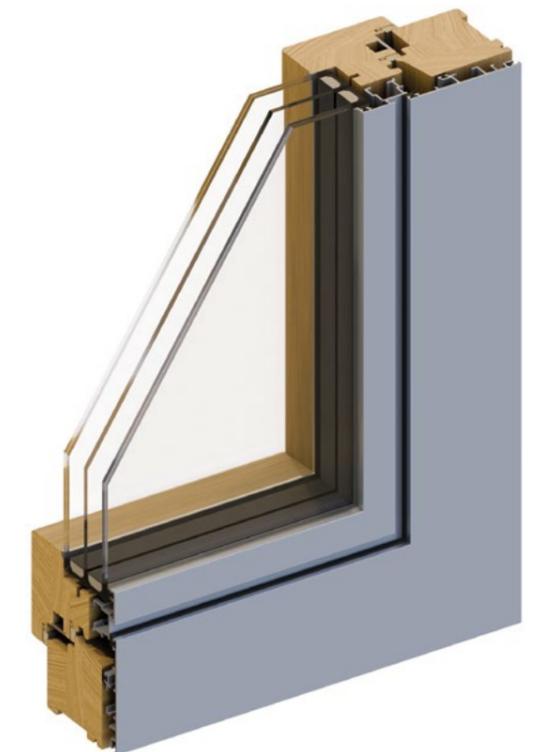
Window – Interior Elevation



Window – Exterior Elevation

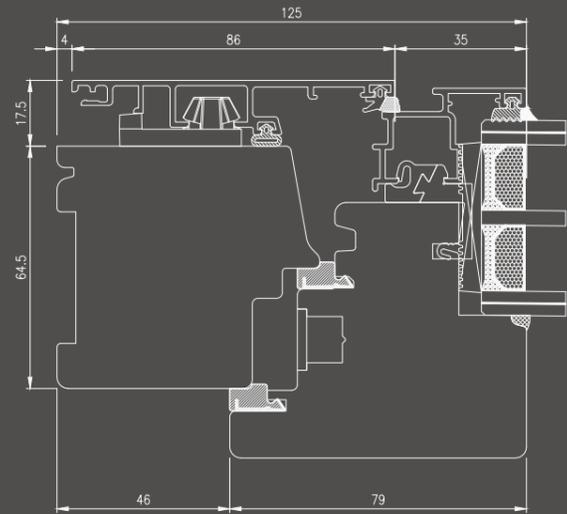


Window – Interior Corner

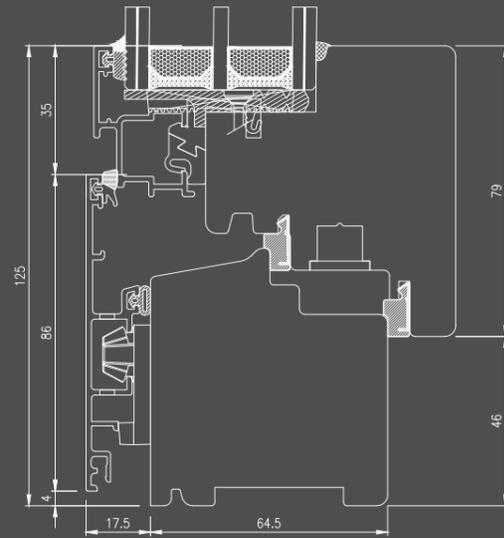


Window – Exterior Corner



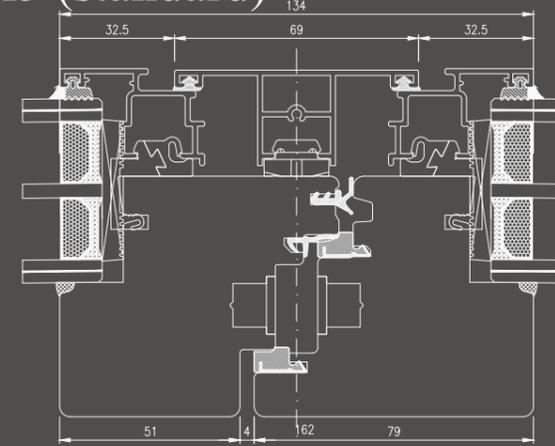


Upper/Side Junction - Window and French Door

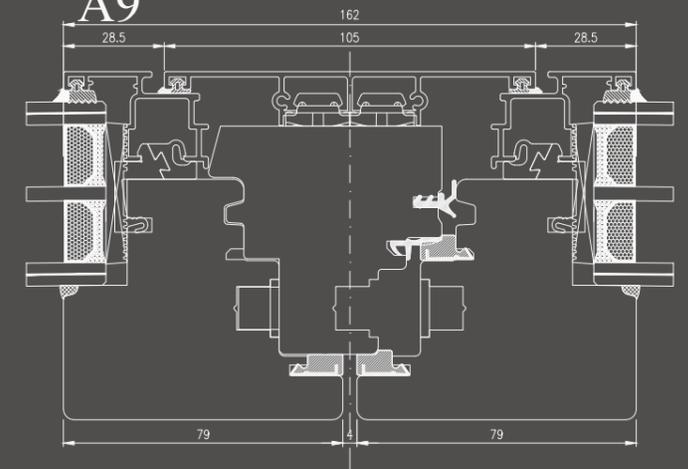


Standard Lower Junction - Window/French Door with Integrated Drip Edge

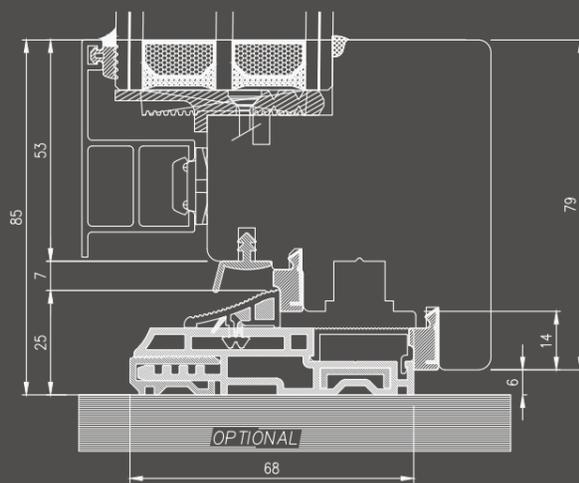
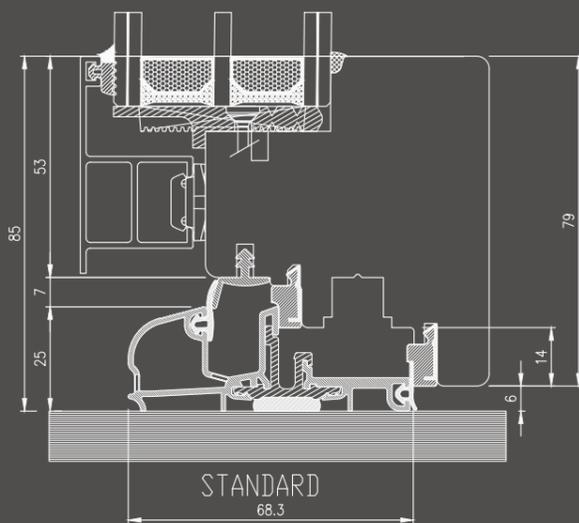
A5 (standard)



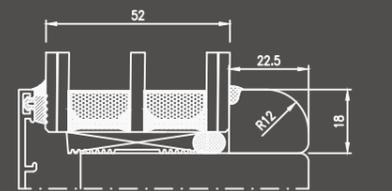
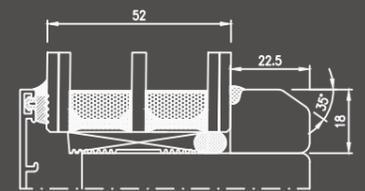
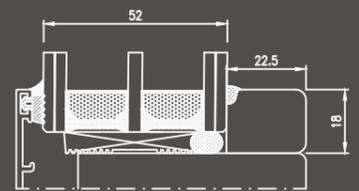
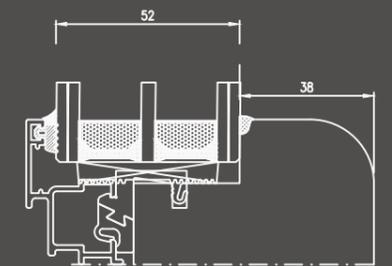
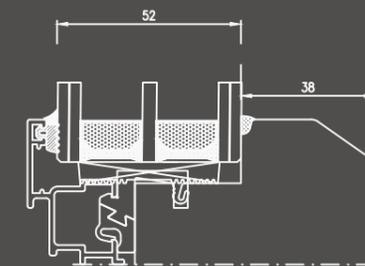
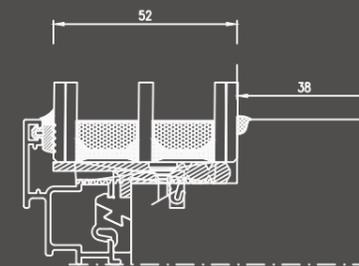
A9



Central junction of window/French door



Lower Junction - French Door with Threshold



SQUARE

BEVELLED

ROUNDED

Type of internal sash profiling

Key Strengths



CUSTOM FINISHES

The 32 standard wood finishes are available to choose from, with the possibility of further customizations. These can be combined with a variety of options for the exterior aluminium cover, which can range from a chosen RAL colour to a wood-effect finish. The exterior cover is welded at the corners for improved aesthetics and long-lasting durability (only for solid-colour finishes).



STANDARD WARRANTY*

-  Window functionality – 10 YEARS
-  No internal condensation of the insulating glass – 10 YEARS
-  No delamination of the laminated profile of wood and wood/aluminium windows – 10 YEARS

PREMIUM*

-  Window functionality – 10 YEARS
-  Durability of paint on long-life painted windows (RAL 9001, 9010, 9016, 1013) – 15 YEARS**
-  Durability of paint on long-life dark-stained windows – 10 YEARS**
-  No internal condensation of the insulating glass – 10 YEARS
-  No delamination of the laminated profile of wood and wood/aluminium windows – 10 YEARS

*See the conditions specified in the warranty certificate and as outlined in Article 5 of the General Terms and Conditions of Sale.
**According to the values defined by standards ISO 4628-2-4-5, UNI EN 13722, UNI 8941-1-2-3.



DESIGN

Our windows feature a contemporary aesthetic, reflecting a clear and modern language of shapes. The construction systems are up-to-date and detail-oriented, adaptable to any environment to meet our clients' needs for individuality and functionality.



Concealed Hinge Concealed hinge kit, complanar system Wood profile Mod. Q Wood profile Mod. M Wood profile Mod. S
Overlapping trim T1 Complanar trim T2 Central node "0" entrance A6 Symmetrical central node A9 Asymmetrical central node A5

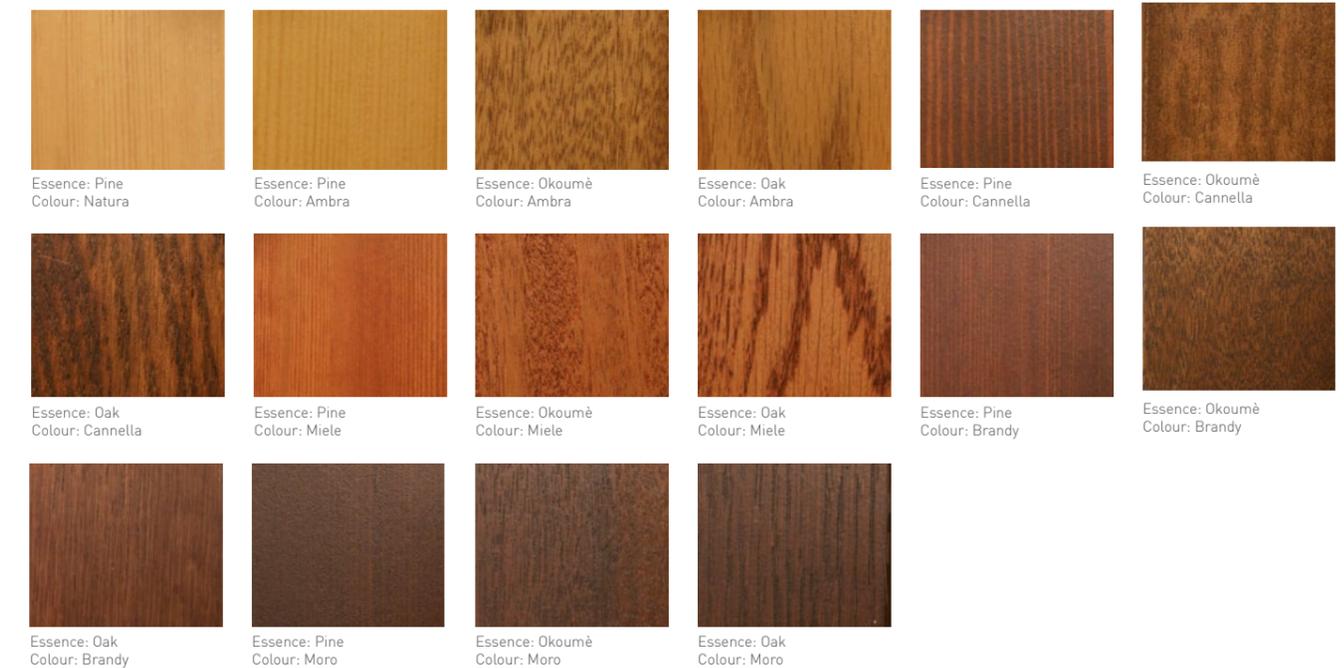


ENERGY SAVINGS

Waterproofing, profiles, glass with synthetic spacers, gaskets, and installation without thermal bridges all contribute significantly to energy savings, which in turn reduces utility bills.

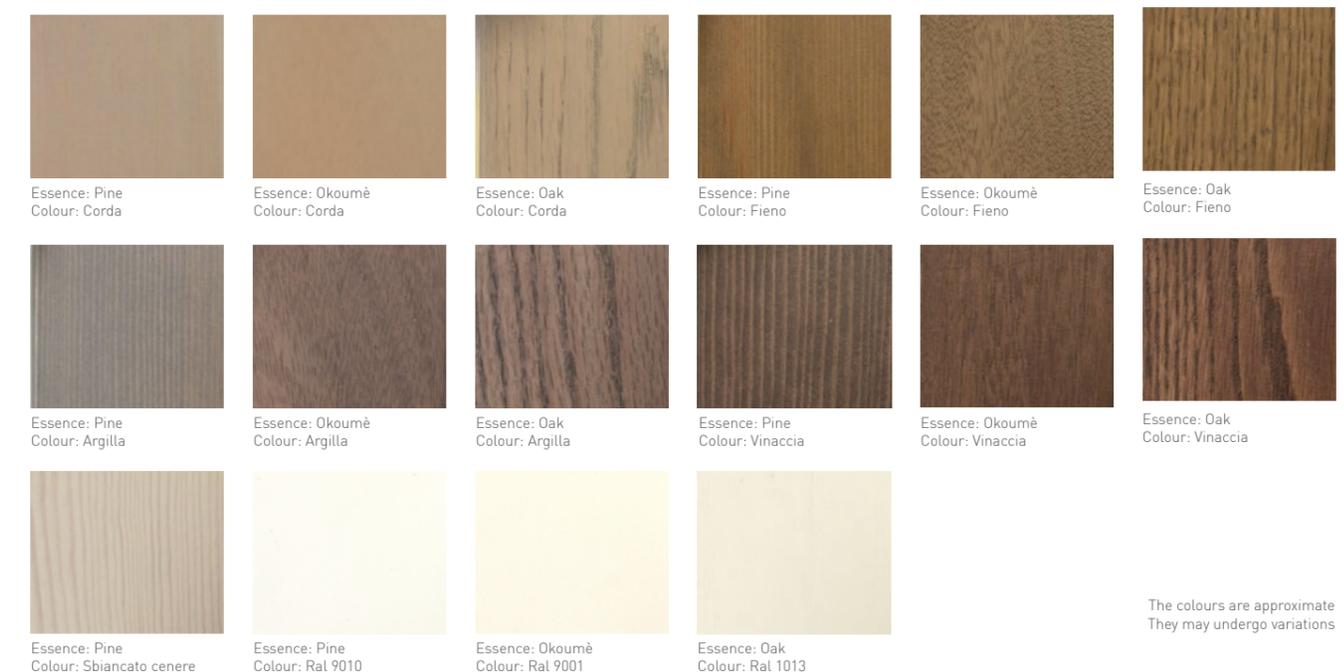
Finishes

RANGE 1 STANDARD



Essence: Pine Colour: Natura Essence: Pine Colour: Ambra Essence: Okoumè Colour: Ambra Essence: Oak Colour: Ambra Essence: Pine Colour: Cannella Essence: Okoumè Colour: Cannella
Essence: Oak Colour: Cannella Essence: Pine Colour: Miele Essence: Okoumè Colour: Miele Essence: Oak Colour: Miele Essence: Pine Colour: Brandy Essence: Okoumè Colour: Brandy
Essence: Oak Colour: Brandy Essence: Pine Colour: Moro Essence: Okoumè Colour: Moro Essence: Oak Colour: Moro

RANGE 2 - WITH SURCHARGE



Essence: Pine Colour: Corda Essence: Okoumè Colour: Corda Essence: Oak Colour: Corda Essence: Pine Colour: Fieno Essence: Okoumè Colour: Fieno Essence: Oak Colour: Fieno
Essence: Pine Colour: Argilla Essence: Okoumè Colour: Argilla Essence: Oak Colour: Argilla Essence: Pine Colour: Vinaccia Essence: Okoumè Colour: Vinaccia Essence: Oak Colour: Vinaccia
Essence: Pine Colour: Sbiancato cenere Essence: Pine Colour: Ral 9010 Essence: Okoumè Colour: Ral 9001 Essence: Oak Colour: Ral 1013

The colours are approximate
They may undergo variations

OTHER COLOURS ON REQUEST.

Opening Types

FIXED WINDOWS

WITH GLAZING BEAD



SCREW-MOUNTED CASEMENT



FIXED SECTIONS FRENCH DOOR

WITH GLAZING BEAD



WINDOWS

WASISTAS



1 LEAF / SINGLE CASEMENT



2 LEAVES / DOUBLE CASEMENT



3 LEAVES / TRIPLE CASEMENT



FRENCH DOORS

1 LEAF / SINGLE DOOR



2 LEAVES / DOUBLE DOOR



3 LEAVES / TRIPLE DOOR



FRENCH DOORS WITH LOCK

1 LEAF / TILT & TURN



1 LEAF / SINGLE DOOR



2 LEAVES / DOUBLE DOOR



TILT WINDOW

HORIZONTAL



TILT-AND-SLIDE WINDOW

SLIDING / FIXED



SLIDING / TILT



TILT-AND-SLIDE FRENCH DOOR

SLIDING / FIXED



SLIDING / TILT



LIFT-AND-SLIDE DOORS**

OPENABLE / FIXED



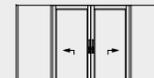
OPENABLE / OPENABLE



1 LEAF OUTSIDE WALL



2 LEAVES OUTSIDE WALL



1 LEAF INSIDE WALL



2 LEAVES INSIDE WALL



FIXED / OPENABLE / FIXED



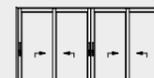
OPENABLE / FIXED / OPENABLE



FIXED / OPENABLE / OPENABLE / FIXED



OPENABLE / OPENABLE / OPENABLE / OPENABLE



LOW ARCH*

FIXED



1 LEAF



2 LEAVES



3 LEAVES



FULL SEMI-CIRCLE ARCH*

FIXED



1 LEAF



2 LEAVES



3 LEAVES



DOUBLE RADIUS ARCH*

FIXED



1 LEAF



2 LEAVES



3 LEAVES



PORTHOLE*

FIXED



TOP HALF OPENABLE
BOTTOM HALF FIXED



TRAPEZOID

FIXED



1 LEAF



2 LEAVES



3 LEAVES



PENTAGON

FIXED



1 LEAF



2 LEAVES



3 LEAVES



BEVELED

FIXED



1 SASH



TRIANGLE

FIXED



1 SASH



* Curvature radii to be verified with the technical office

**Lift-and-slide windows for the FLAT system will be executed using the Sky Wood-Clad and Nexis-Clad systems



GIEMME
Italian Windows Design



Windows. Stories. Projects.

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