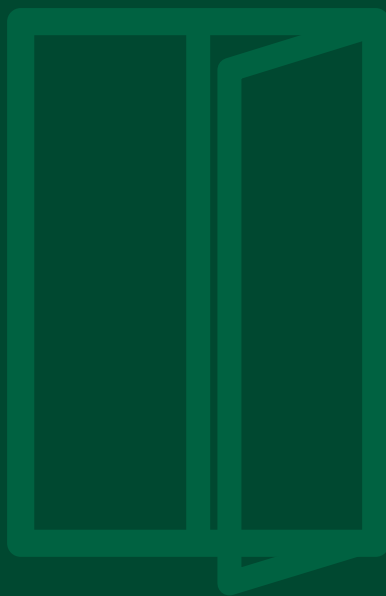


ALUMINIUM INSIDE



02/

DOORS AND WINDOWS

CONTROL THE ELEMENTS.



GASTALDELLO SISTEMI

New points of views

Since 1959, we have been looking at new horizons.

We have created a vision with products tailored to your needs, thanks to our specialisation in the design and manufacture of aluminium profiles for building and architecture.

Shutter systems

Structural perfection and technology meet to highlight specific architectural profiles and to illuminate every environment. Integrated systems for aluminium doors and windows with hinged opening. Gastaldello Sistemi can participate in any project, as accomplishes of aesthetics and promoters of residential well-being. Timeless and with no style limitations, they represent the perfect solution for contemporary architecture, historic buildings or houses for a specific environmental inclusion.

Solutions for harmony, compensation, connection and the possibility of seamless façade insertion make this a complete and cutting-edge series. The possibility of developing square, rounded and moulded profiles makes every door and window frame conform to heterogeneous aesthetic requirements and, last but not least, geometric or irregular coherence, and stylistic combining of window profiles with door profiles. Various shapes are available for the static reinforcement of profiles. Various options exist for door opening, tilted, book-like opening, parallel sliding, external hinged, pivoting and protruding, to cover all end user needs, including the application of mosquito nets.

02/ EUROLINE 76LL VIEW

anti-burglary/
tampering hardware



TOP OF THE RANGE MINIMAL SYSTEM OF THE EUROLINE SYSTEMS

Perfect swing system for energy efficiency and aesthetic improvement of residential homes.

It represents the most advanced technology to maximize efficiency and living comfort. High insulation and excellent transmittance values to obtain immediate energy savings.

Alongside the performance advantages, EL 76 LL VIEW is required for its minimal design: ultra-thin profiles and frames of only 71 mm, for full-light environments. Possibility of hiding the sash behind the frame, to cancel the external aesthetic impact of the window. Profile finishes available in all RAL colors.

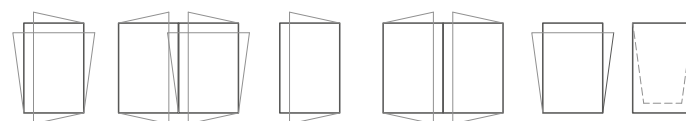
RC2 burglar-proof certification, the best compromise on the market to have a safe and aesthetically light window, without redundant hardware.



SPECIFIC CHARACTERISTICS

- Frames of only 71 mm, to increase the light space
- Polyamide with high thermal insulation performance
- Possibility to mount invisible hardware for an ultra linear look

OPENING TYPE



STANDARD AND HIDDEN DOOR

TECHNICAL FEATURES

sash+frame visible surface	71/77 mm
frame visible surface	45/71 mm
sash visible surface	26 mm
sash glazing	from 28 mm to 62 mm

TESTS AND REFERENCE STANDARDS



air permeability



waterproofing



wind resistance



noise performance



thermal transmittance



02/ EUROLINE 76LL WINDOWS

anti-burglary/
tampering hardware



EXCELLENCE THAT MEETS THE PASSIVHAUS ENERGY PERFORMANCE STANDARD

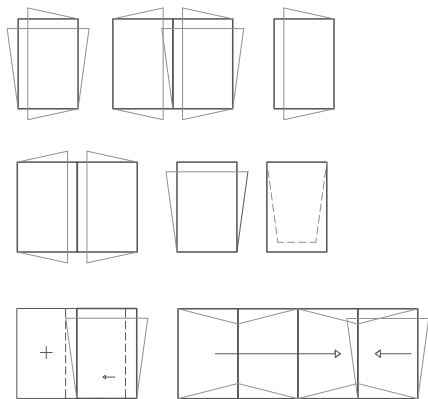
For those who want to push thermal values beyond the standards, Gastaldello Sistemi has developed its first-rate Excellence series, which achieves great results in applications. Ideal for those looking for Passivhaus certification, together with specific construction door and window frame requirements with technological advances that maximise efficiency and comfort.

SPECIFIC CHARACTERISTICS

- Expanded profiles for modular thermal insulation inserted between the polyamide bars.
- Special devices available for perfect closure between door and window frames and masonry.
- Optional EL 76 E-AS series, with exterior casing of frame profiles consistent with facade covers, to ensure aesthetic continuity throughout the building.
- Option to mount invisible hardware for an ultra-linear look.



OPENING TYPE



STANDARD



MOULDED



ROUNDED

CARATTERISTICHE TECNICHE

sash+frame visible surface	90/110/136 mm	90/110/136 mm	90/110/136 mm
frame visible surface	51/61/69 mm	51/61/69 mm	51/61/69 mm
sash visible surface	34/44/62 mm	34/44/62 mm	34/44/62 mm
sash glazing	from 25 mm to 69 mm	from 15 mm to 59 mm	from 15 mm to 59 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E1350



wind resistance

C4



noise performance

48 dB



thermal transmittance

Top

02/ EUROLINE 65LL VIEW

anti-burglary/
tampering hardware



MINIMAL AESTHETICS THAT REDUCES THE ALUMINUM SURFACES IN SIGHT TO THE ESSENCE

Aluminum casement windows and doors systems that combine structural perfection and technology.

Design lines, clean, square and functional.

Resistance to atmospheric agents, durability and thermal performance of excellence. Perfect solution for every project, no limitation to style: both for contemporary architecture, both for historic buildings or houses immersed in breathtaking landscapes.

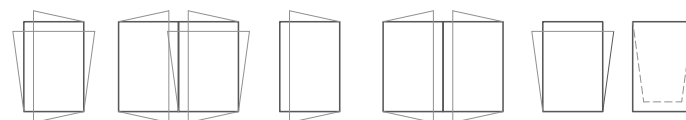
Finishes available in all RAL colors. RC2 burglar-proof certification, the best compromise on the market for a safe and design window. Gastaldello Sistemi satisfies every need for customization. Thanks to the use of aluminum with thermal break, GS windows guarantee extraordinary thermal insulation, immediate energy savings and excellent defense against external agents.

SPECIFIC CHARACTERISTICS

- Side knot of only 71 mm, central knot of just 97 mm
- Polyamide with high thermal insulation performance.
- Possibility to mount invisible hardware for an ultra linear look



OPENING TYPE



STANDARD AND HIDDEN DOOR

TECHNICAL FEATURES

sash+frame visible surface	71/77 mm
frame visible surface	45/71 mm
sash visible surface	26 mm
sash glazing	from 28 mm to 62 mm

TESTS AND REFERENCE STANDARDS



air permeability



waterproofing



wind resistance



noise performance



thermal transmittance



02/ EUROLINE 65LL WINDOWS

anti-burglary/
tampering hardware



THE MOST REQUESTED

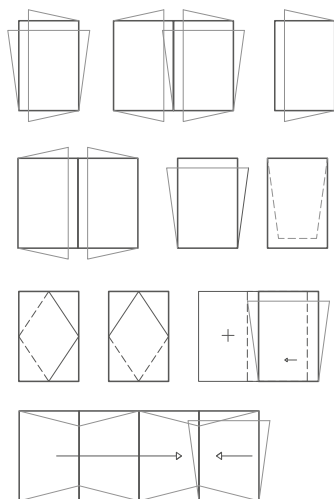
Solutions combined in a single product. Its versatile use makes it one of the best selling Gastaldello Sistemi sliding frame systems. Choice benefiting many projects around the world, resolving functional and architectural needs.

SPECIFIC CHARACTERISTICS

- Improved seals for different components made of EPDM, coextruded with foam material.
- Industrial aesthetic option of moulded "steel" profiles, used, for example, to replace steel window frames.
- Certified closure kit for break-in resistance.
- Polyamide with high thermal insulation performance, to meet the increasingly stringent performance requirements demanded by the market.
- Option to mount invisible hardware for an ultra-linear look.



OPENING TYPE



STANDARD



MOULDED



ROUNDED



STEEL

TECHNICAL FEATURES

sash+frame visible surface	90/110/136 mm	90/110/136 mm	90/110/136 mm	87 mm
frame visible surface	51/61/69 mm	51/61/69 mm	51/61/69 mm	61 mm
sash visible surface	34/44/62 mm	34/44/62 mm	34/44/62 mm	18 mm
sash glazing	from 14 mm to 58 mm	from 6 mm to 48 mm	from 6 mm a 48 mm	from 25 mm to 39 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E1200



wind resistance

C4



noise performance

48 dB



thermal transmit-

High



DOOR AND WINDOW FRAMES FROM THE CREATIVE SOUL

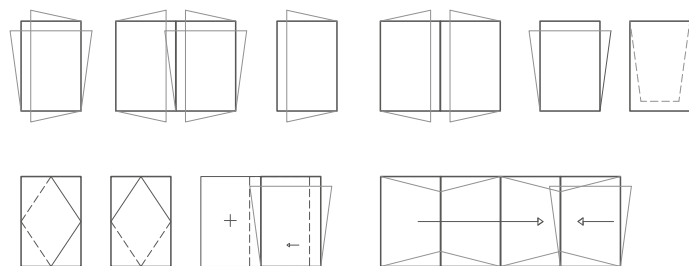
This is the ideal solution for cold door and windows frames, given the absence of thermal break. Indicated for industrial buildings and indoor public spaces. Closures can be customised with tailored finishes and accessories.

SPECIFIC CHARACTERISTICS

- Suitable for unheated environments and indoor and outdoor mixed use situations.
- Usable for internal closures.
- Basic solution that meets specific project needs and environmental context.
- Maximum product recyclability, since profiles are made entirely of aluminium.
- Option to mount invisible hardware for an ultra-linear look.



OPENING TYPE



STANDARD



MOULDED

TECHNICAL FEATURES

sash+frame visible surface	85/121 mm	85/121 mm
frame visible surface	48/66 mm	48/66 mm
sash visible surface	32/50 mm	32/50 mm
sash glazing	from 6 mm to 43 mm	from 4 mm to 33 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E 1200



wind resistance

C4



noise performance

46 dB

02/ EUROLINE 90 IT

BEYOND EXCELLENCE

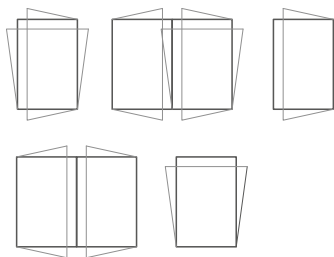
Functionality, Performance and Elegance up to expectations, in any environmental situation. This new system for hinged doors and windows encloses the proverbial durability characteristics of aluminum and the insulating capacities of the thermal break system, allowing it to reach energy efficiency values at the highest levels.

Protection and Comfort from Top Class, inside your home.

EL90IT is in line with the more restrictive European Regulations on the thermal insulation of casement windows.



OPENING TYPE



STANDARD



MOULDED



ROUNDED

TECHNICAL FEATURES

sash+frame visible surface	90/110/136 mm	90/110/136 mm	90/110/136 mm
frame visible surface	51/61/69 mm	51/61/69 mm	51/61/69 mm
sash visible surface	34/44/62 mm	34/44/62 mm	34/44/62 mm
sash glazing	from 34 mm to 83 mm	from 39 mm to 63 mm	from 39 mm a 63 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E1650



wind resistance

C5



thermal transmit-

Top



THE ELEMENT AIR

It is the element of purity.
It embodies strength and delicacy.
Open the windows,
breathe deeply,
savor a new day that begins.



02/ EUROLINE AS HIDDEN DOOR

anti-burglary/
tampering hardware



THE NATURAL LIGHT SHOW

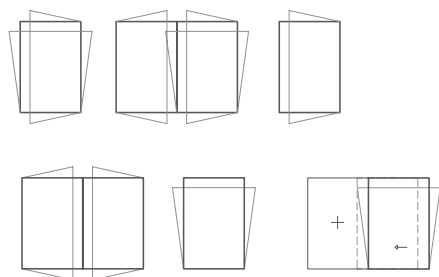
Suitable for a number of types of doors and windows, such as the EL 60 AS, EL 65 P-AS, EL 72 P-AS and EL 76 E-AS series; more than just a standard variant, it is an aesthetic expression. The door is lowered and hidden, allowing its glazed surfaces to be flooded with natural light.

SPECIFIC CHARACTERISTICS

- Applicable to the entire GS series for complete versatility.
- Minimal design, ideal for technical demands and contemporary aesthetics.
- Maximising glazed surfaces and minimising visible profiles.
- Aesthetic effect maintained outside, between the fixed module and module that can be opened.
- Exclusive combination with retractable hinges for an ultra-linear look.
- Option to mount invisible hardware for an ultra-linear look.



OPENING TYPE



EL65PAS

CARATTERISTICHE TECNICHE

sash+frame visible surface	from 70 mm to 80 mm
frame visible surface	from 70 mm to 80 mm
sash visible surface	0
sash glazing	from 16 mm a 40 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E1650



wind resistance

C4



noise performance

48 dB



thermal transmittance

High

02/ ECOTHERM ET68LL

anti-burglary/
tampering hardware



THE EVOLUTION OF THERMAL BREAK

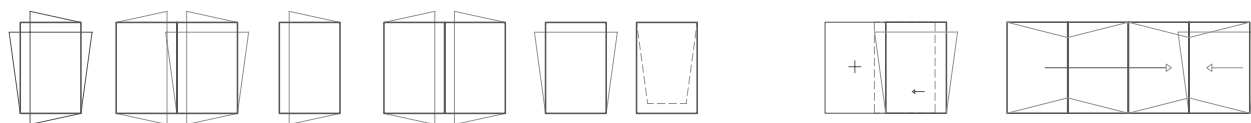
The ECOTerm series is an innovative response to the thermal break technique. Created for customers who are looking for eco-friendly and high-tech door and window frames, this is a solution where performance meets constructive logic.

SPECIFIC CHARACTERISTICS

- Attractive solution with central section of the double door of a reduced size.
- Provision of catalogue of improved seals and additional under-glass foam insulation profile.
- Straight or rounded shapes for adaptation to the most frequent customer requests.
- Polyamide with high thermal insulation performance, to meet the increasingly stringent performance requirements demanded by the market.
- Option to mount invisible hardware for an ultra-linear look.



OPENING TYPE



TECHNICAL FEATURES

sash+frame visible surface

STANDARD

90/119/134 mm

frame visible surface

53/75 mm

sash visible surface

32/39/54 mm

sash glazing

from 7 mm to 61 mm



air permeability

Class 4



waterproofing

E1500



wind resistance

C5



noise performance

46 dB



thermal transmittance

High

02/ EUROLINE 50N DOORS

lowered
flushed threshold



security multiple
locking hardware



COLD DOOR AND WINDOW FRAMES FROM THE CREATIVE SOUL

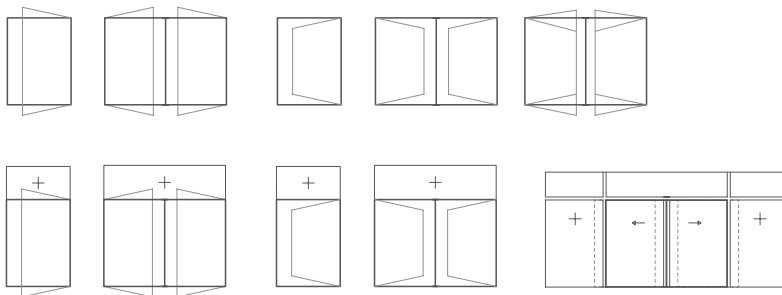
This is the ideal solution for cold door and windows frames, given the absence of thermal break. Indicated for industrial buildings and unheated or cooled public spaces. Closures can be customised with tailored finishes and accessories.

SPECIFIC CHARACTERISTICS

- Suitable for unheated environments and indoor and outdoor mixed use situations.
- Can be used for internal closing, swing doors and automatic doors.
- Basic solution that meets specific project needs and environmental context.
- Maximum product recyclability, since profiles are made entirely of aluminium.
- Closure with multipoint lock.
- Internal and external opening and SAC1 evacuation route certified.



OPENING TYPE



TECHNICAL FEATURES

50 N DOORS

sash+frame visible surface	145 mm
frame visible surface	44/66 mm
sash visible surface	74/96 mm
sash glazing	from 4 mm to 33 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

8A



wind resistance

C4



noise performance

33 dB

02/ EUROLINE 65P DOORS

lowered
flushed threshold



security multiple
locking hardware



THE MOST REQUESTED

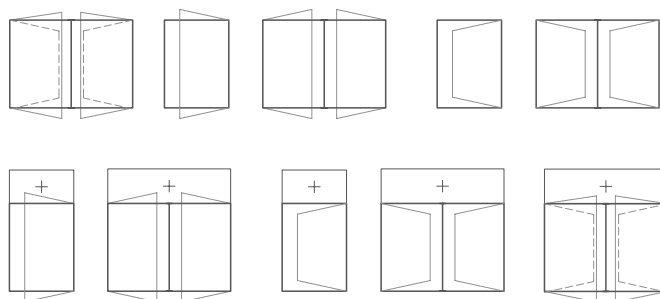
Solutions combined in a single product. Its versatile use makes it one of the best selling Gastaldello Sistemi sliding frame systems. Choice benefiting many projects around the world, resolving functional and architectural needs.

SPECIFIC CHARACTERISTICS

- Certified performance for water, air and wind.
- Reduced thickness profiles, ideal for application in renovations and installation conditions where the specific alignment and integrity of wall mounts must be maintained.
- Internal and external opening and SAC1 evacuation route certified.
- Multi-point security lock application.
- Wide choice of parameters to meet design requirements.



OPENING TYPE



TECHNICAL FEATURES	STANDARD
sash+frame visible surface	148 mm
frame visible surface	44/69 mm
sash visible surface	74/99 mm
sash glazing	from 6 mm to 48 mm

TESTS AND REFERENCE STANDARDS



air permeability



waterproofing

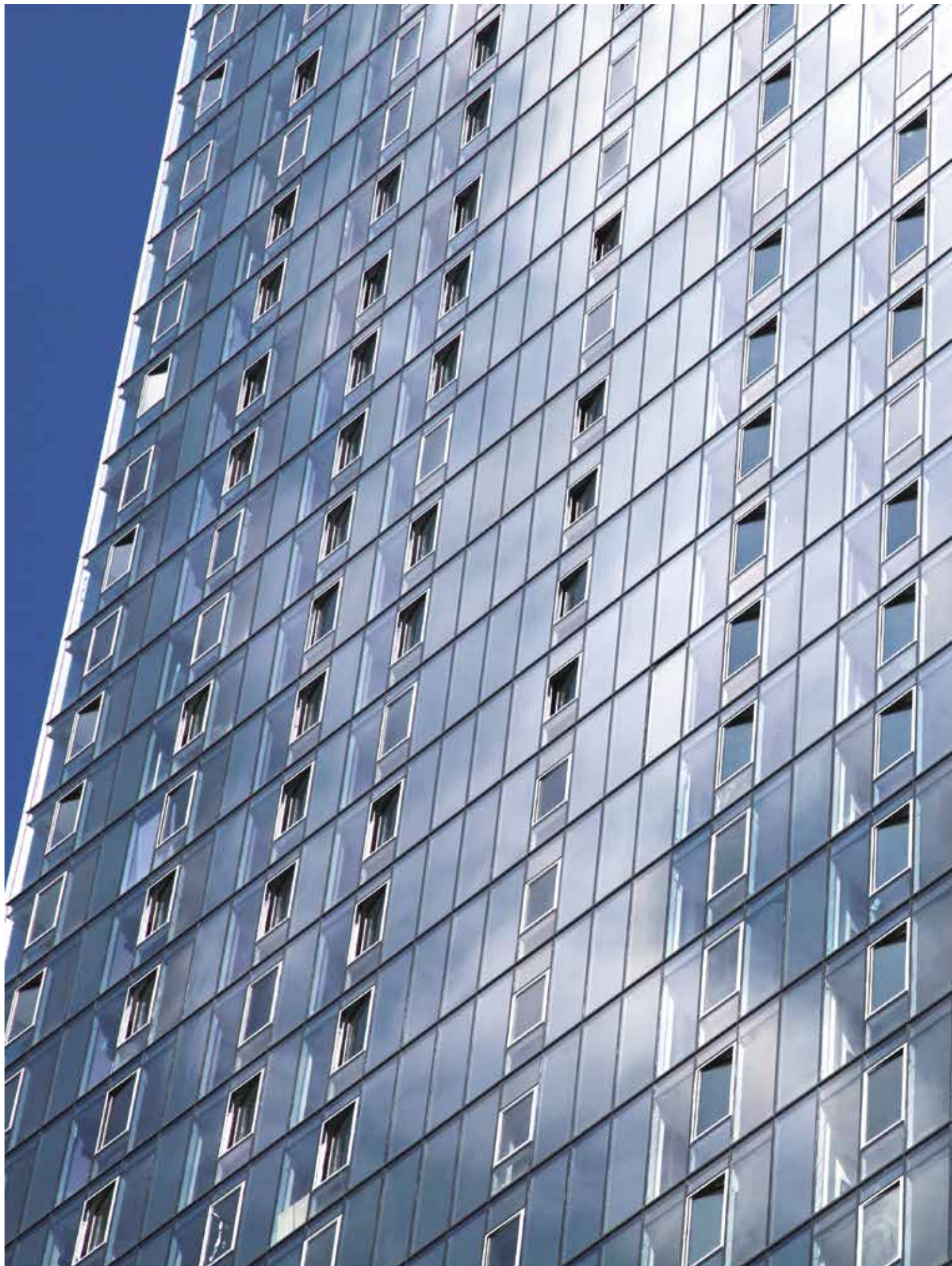


wind resistance



thermal transmittance







MAXIMUM ESTATE

No heat loss,
no infiltration.
Closure with water and air tightness.
Safe, at home.

02/ EUROLINE 76LL DOORS

lowered
flushed threshold



security multiple
locking hardware



EXCELLENCE THAT MEETS THE PASSIVHAUS ENERGY PERFORMANCE STANDARD

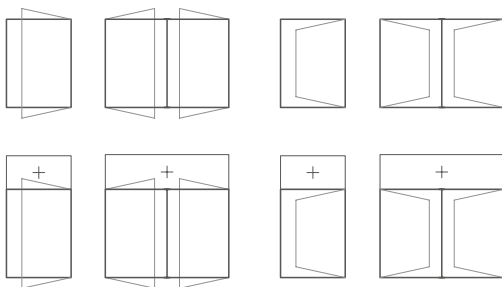
For those who want to push thermal values beyond the standards, Gastaldello Sistemi has developed its first-rate Excellence series, which achieves great results in applications. Ideal for those looking for Passivhaus certification, together with specific construction door and window frame requirements with technological advances that maximise efficiency and comfort.

SPECIFIC CHARACTERISTICS

- Certified performance for water, air and wind.
- Reduced thickness profiles, ideal for application in renovations and installation conditions where the specific alignment and integrity of wall mounts must be maintained.
- Internal and external opening and SAC1 evacuation route certified.
- Multi-point security lock application.
- Wide choice of parameters to meet design requirements.



OPENING TYPE



TECHNICAL FEATURES

sash+frame visible surface

STANDARD

148 mm

frame visible surface

69/44 mm

sash visible surface

74/99 mm

sash glazing

from 15 mm to 59 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

E750



wind resistance

C3



thermal transmittance

High

02/ ECOTHERM ET68 DOORS

lowered
flushed threshold



security multiple
locking hardware



THE EVOLUTION OF THERMAL BREAK

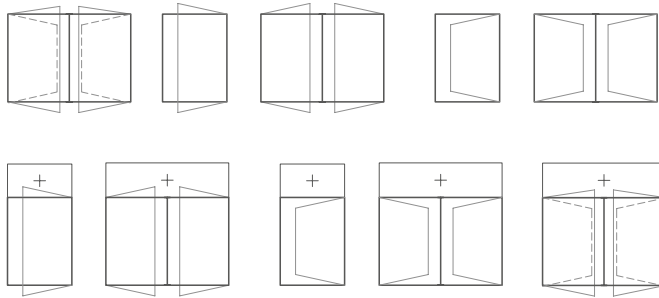
The ECOTerm series is an innovative response to the thermal break technique. Created for customers who are looking for eco-friendly and high-tech door and window frames, this is a solution where performance meets constructive logic.

SPECIFIC CHARACTERISTICS

- Certified performance for water, air and wind.
- Reduced thickness profiles, ideal for application in renovations and installation conditions where the specific alignment and integrity of wall mounts must be maintained.
- Internal and external opening and SAC1 evacuation route certified.
- Multi-point security lock application.
- Wide choice of parameters to meet design requirements.



OPENING TYPE



TECHNICAL FEATURES

sash+frame visible surface

STANDARD

144 mm

frame visible surface

75 mm

sash visible surface

64 mm

sash glazing

from 7 mm to 61 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class 4



waterproofing

5A



wind resistance

C3



thermal transmittance

Medium

02/ EUROLINE 77WOOD WINDOWS

anti-burglary/
tampering hardware



MAXIMUM THERMAL AND ACOUSTIC PERFORMANCE

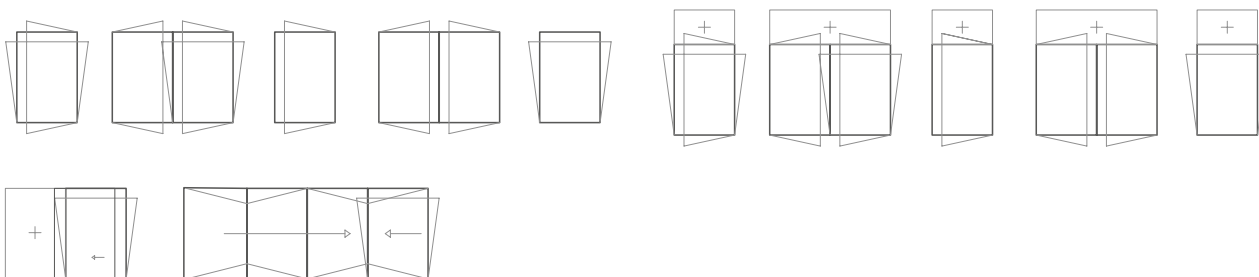
For those who want to go further, Gastaldello Sistemi has designed a premium product in which wood and aluminium are combined to give the best technical and aesthetic performance. Euroline 77wood is suitable for all types of properties and provides pleasure in one's home.

SPECIFIC CHARACTERISTICS

- Premium category frames and doors.
- Thermally insulated aluminium profiles.
- Improved security, thanks to the aluminium glazing bead with mechanical fixing on door.
- Coextruded seals for maximum performance.
- Option to mount invisible hardware for an ultra-linear look.



OPENING TYPE



TECHNICAL FEATURES	STANDARD	MOULDED	ROUNDED
sash+frame visible surface	110 mm	110 mm	110 mm
frame visible surface	61 mm	61 mm	61 mm
sash visible surface	44 mm	44 mm	44 mm
sash glazing	from 37 mm to 50 mm	from 27 mm to 50 mm	from 27 mm to 50 mm

TESTS AND REFERENCE STANDARDS



air permeability



waterproofing



wind resistance



thermal transmittance



POWER AND LIFE

The warmth of wood, immersion in the environment.
A natural setting that expresses the link with uncontaminated nature



Product standard: UNI EN 14351-1



Air permeability. This value indicates the ability of a closed door or window frame to allow air to be filtered, when subjected to an interior-exterior pressure difference. The lower the volumes of dispersed air, the high the quality of the door or window frame and the gaskets used to make it.

Product regulations: EN 1026, EN 12207

achieved class	A1	A2	A3	A4	AE
applied pressure	150 Pa	300 Pa	450 Pa	600 Pa	>600 Pa



Waterproofing. Used to measure the degree of impermeability of a door or window frame. This value is obtained by spraying the surface of the product with a water jet and, at the same time, subjecting it to an interior-exterior pressure difference, to simulate intense rain and gusts of wind.

Product regulations: EN 1027, EN 12208

achieved class	1A	2A	3A	4A	5A	6A	7A	8A	9A	E750	E900	E1050	E1200	E1350	E1500
air pressure	(0 Pa)	(50Pa)	(100Pa)	(150Pa)	(200Pa)	(250Pa)	(300Pa)	(450Pa)	(600Pa)	(750Pa)	(900Pa)	(1050Pa)	(1200Pa)	(1350Pa)	(1500Pa)
km/h	0	32,2	45,53	56,67	64,39	72	78,87	96,59	111,54	124	136,6	145	160	165	178



Wind load resistance. This value indicates the degree of resistance to deformation and accidental opening of the doors when subjected to the action of wind. This data is useful for understanding the quality of the tools and the materials used in the construction of the door or window frame.

Product regulations: EN 10077-2, EN 12412-2

achieved class	C1	C2	C3	C4	C5	C6
Flex arrow (1/150)	A1	A2	A3	A4	A5	A6
Flex arrow (1/200)	B1	B2	B3	B4	B5	B6
Flex arrow (1/300)	C1	C2	C3	C4	C5	C6
Applied pressure	(400Pa)	(800Pa)	(1200Pa)	(1500Pa)	(2000Pa)	(>2000Pa)



Noise performance. The value that measures how door or window frames are able to acoustically isolate the home environment from external noises. The simulation test performed to determine this value relates exclusively to the door or window frame and the building as a whole may not have the same sound insulation value.

Product regulations: EN 20140-3, EN ISO 140-3, EN ISO 717-1

performance achieved	0db	<=12db	<=24db	<=36db	<=48db	<=60db
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Thermal transmittance. The average heat flow, per square metre of surface, that passes through a structure that delimits two environments at different temperatures. In the case of door and window frames, it is used to measure the energy efficiency of the product when it comes to maintaining the temperature required in domestic environments. The closer to zero the transmittance value, the greater the energy saving.

Product regulations: EN 10077-2, EN 12412-2

performance achieved	Low	Medium	High	Top
Uw W/m2K	<=6-8	<=2-4	<=1-2	<=0-1



GASTALDELLO SISTEMI

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