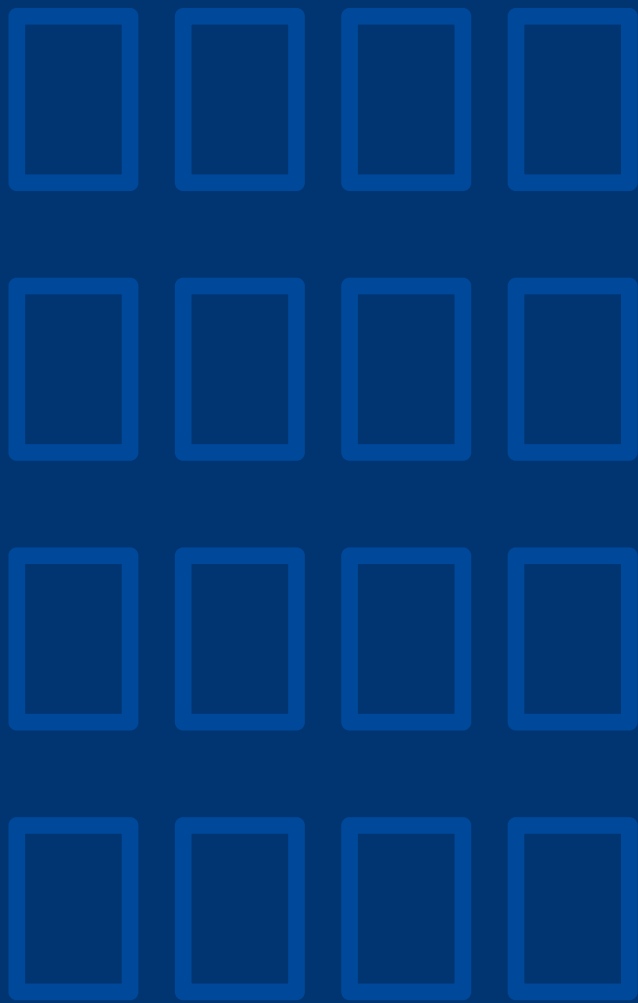


ALUMINIUM INSIDE



01/

CURTAIN WALL
COMMUNICATION.



New perspectives

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.

Facades

Gastaldello Sistemi offers building envelope solutions and components that are ideal for creating architecturally unique facades, all-glass constructions and high-performance structures. With GS facade systems, it will be easier to give life to energy-efficient buildings. Aesthetic demands and design freedom are met by technologically innovative solutions.

The GS EUROline envelope system series are distinguished by:

- accommodation of the entire shutter series with standard insertion profiles or specific solutions;
- possibility of inserting protruding OPENING TYPE with special insulated or non-insulated profiles;
- certified and sized hardware for maximum ease of use by users;
- integrated reinforcements to meet the required stresses;
- skylight opening with maximum reliability.



01/ EUROLINE EL 50F A-B / EL 60FB

UNIVERSAL SOLUTION

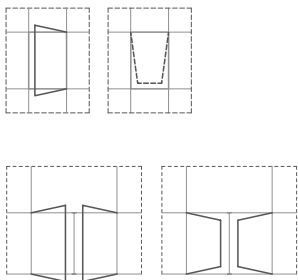
The set of solutions proposed by this articulated series of uprights and transversals, allows you to respond to all market demands. Gastaldello Sistemi's historic proposal is now one of the Best Seller on a worldwide scale among the series dedicated to the curtain wall.

SPECIFIC CHARACTERISTICS

- Infinite structural and finishing profile configurations external.
- Divided and sloping stands of various shapes for the most complex and eclectic pattern designs.
- Direct locking to optional substructures to minimize further the aesthetic impact of the aluminum profile.



OPENING TYPE



EL50FA



EL50FB









EL60FB

TECHNICAL FEATURES

visible dimensions (transverse mullion)	50 mm	50 mm	60 mm
glazing	from 20 mm to 50 mm	from 20 mm to 56 mm	from 20 mm to 50 mm

TESTS AND REFERENCE STANDARDS

					
air permeability	waterproofing	wind resistance	noise performance	thermal transmittance	impact resistance
Class AE	dynamic 250/750 Pa static RE1950	load test +2000 Pa safety +3000 Pa	47dB	Top	internal I5 external E5

01/ EUROLINE EL 50FS

MANAGEMENT OF COMPLEXITY

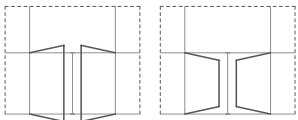
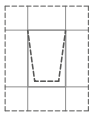
Isolated system suitable for compliance with even the most stringent tender specifications. Designed for site management and highly complex contexts, simplifying insertion of cells into the structural pattern.

SPECIFIC CHARACTERISTICS

- Structural facade with doubled mullions and transoms for execution of expansion joints on the envelope.
- Option available in glass with sharp edge or perimetric retention to lighten the overall appearance or accentuate the perspective vanishing points of the facades.
- Integrated profiles for blind glass panels, typically embedded to mask non-finished sub-structures.
- Angle solutions for moulding from 0° to 90° to follow the design of even the most demanding project.



OPENING TYPE



EL50FSA



EL50FSB

TECHNICAL FEATURES

visible dimensions (transverse mullion)

96 mm

96 mm

glazing

from 24 mm to 40 mm

from 24 mm to 40 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class AE



waterproofing

dynamic 250/750 Pa
static RE1650



wind resistance

load test +2000 Pa
safety +3000 Pa



noise performance

41 dB



thermal transmittance

Medium



impact resistance

internal I5
external E5

01/ EUROLINE EL 50FG

CONTEMPORARY LINES

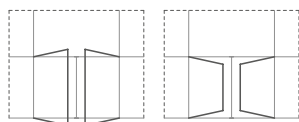
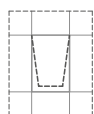
Expressive freedom and clean lines for architecture with a contemporary style. Providing a mechanical fixing system. This range helps to optimise site resources, combining functionality with unique results.

SPECIFIC CHARACTERISTICS

- All-glass structural facade for the maximum planarity of outdoor surfaces.
- Possibility of positioning at $\pm 5^\circ$ angles to the facade.
- Simplified installation with a single accessory and continuous external waterproof sealing for closure.
- Mixed solutions with unidirectional cover-pressers for accentuating vertical or horizontal elements.
- New standard triple glass installation measuring up to 60 mm.



OPENING TYPE



TECHNICAL FEATURES

visible dimensions (transverse mullion)

glazing

EL50FG

50 mm

from 28,76 mm to 56,76 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class A4



waterproofing

static RE1200



wind resistance

load test +2000 Pa
safety +3000 Pa



noise performance

40 dB



thermal transmittance

High



impact resistance

internal I5
external E5

01/ EUROLINE EL 85ML

3D VERSATILITY

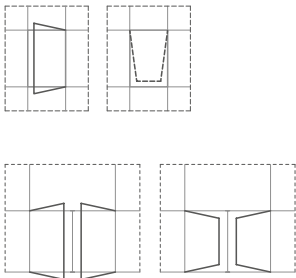
Polyhedric series used for technologically advanced construction. Point of reference for designers looking for sophisticated and customisable solutions.

SPECIFIC CHARACTERISTICS

- Insulated modular system for inter-storey façades that can be installed without scaffolding, resulting in substantial reduction of the installation times.
- Cellular installation that reduces the risk of movement of glass in operation.
- Mechanical locking of the glass from the outside with special profiles and gaskets.
- Simple anchoring system, with three-dimensional regulation of the cell.



OPENING TYPE



TECHNICAL FEATURES

EL85ML

visible surface

85 mm (transverse mullion) 70 mm (transverse)

glazing

from 33 to 45 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class AE1200



waterproofing

dynamic 466 Pa-933 Pa
static RE1350



wind resistance

load test +1400 Pa
safety +2100 Pa



noise performance

43 dB



thermal transmittance

High



impact resistance

internal I5
external E5

01/ EUROLINE EL 90MLS

MODULARITY AND INVISIBILITY

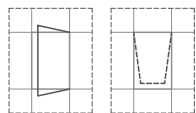
This series makes it possible to create great value added with reliable production times and infinitely customisable solutions. Best seller on the market due to its precision and adaptability to architectural requirements.

SPECIFIC CHARACTERISTICS

- Uninsulated modular system with no externally visible aluminium surface.
- High thermal insulation guaranteed by the total passage of the structurally sealed glass.
- Mechanical accessories are not required for the main module.
- Rigorously tested accessories for: reinforced glass support, practical handling and adjustable bracket in 3 sizes.



OPENING TYPE



TECHNICAL FEATURES

visible dimensions (transverse mullion)

EL90MLS

90 mm

visible surface (transverse)

90 mm

glazing

from 34 mm to 36 mm

TESTS AND REFERENCE STANDARDS



air permeability

Class A4



waterproofing

dynamic 250 Pa-500 Pa
static RE900



wind resistance

load test +2000 Pa
safety +3000 Pa



thermal transmittance

High

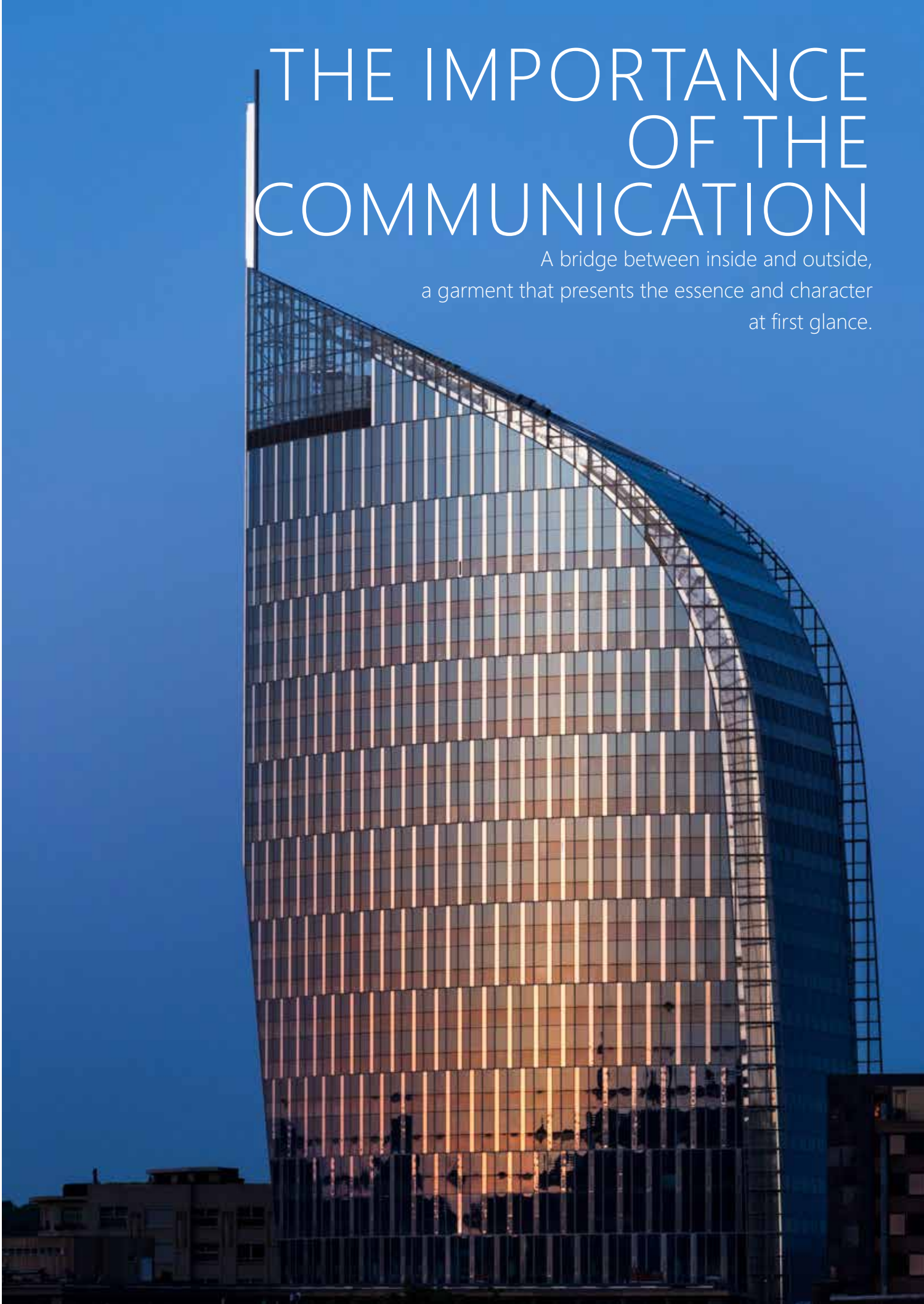


impact resistance

internal I5
external E5

THE IMPORTANCE OF THE COMMUNICATION

A bridge between inside and outside,
a garment that presents the essence and character
at first glance.



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



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