



LET'S BUILD A BETTER FUTURE

MB-79N RENO/MONO — **MB-43 SLIDE RENO/MONO**
WINDOWS AND SLIDING DOORS

As one of Europe's leading suppliers of architectural aluminium systems, we are pleased to present a range of windows and sliding doors developed specifically for the French market. The MB-79N RENO/MONO and MB-43 SLIDE RENO/MONO systems are solutions built on our many years of expertise, an in-depth understanding of the needs of French customers, and the technical requirements applicable within this market. Combining contemporary aesthetics with high technical performance, these systems are designed not only for France, but are equally well suited to projects in Italy, the Balkans and other European markets.

The featured systems have been developed for two distinct application areas. The RENO versions are intended for renovation projects involving buildings with architectural heritage, where modernisation must go hand in hand with preserving the building's original character and finishing details wherever possible. The MONO versions, in turn, are designed for contemporary architecture characterised by large glazed areas and bright interiors. In both cases, aluminium makes it possible to fully benefit from the advantages of a durable, high-performance construction material while supporting a more sustainable approach to building design and construction.



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REIMAGINE IN ALUMINIUM

MB-79N RENO WINDOWS

MB-79N RENO is a modern aluminium window system developed specifically **for renovation projects**. It provides the ideal solution for **upgrading existing buildings** without interfering with their structure or compromising their original character. Thanks to installation without the need to remove existing frames, the system helps **preserve interior walls and finishes intact, reducing installation time and significantly lowering renovation costs**. A wide range of configuration options allows the system to be perfectly tailored to any project, both for homeowners and institutional developers. The system is also quick and easy to install.



MB-79N RENO WINDOWS

The **MB-79N RENO** window system combines contemporary minimalist design with durability and lightweight construction. Slim profiles, a concealed sash and hidden drainage ensure maximum daylight penetration while giving the windows a clean, elegant appearance. Available in a range of thermal variants – E, ST and ST+ – optimised for double glazing units, the system can be tailored to both the performance requirements and budget of a project. The elimination of plastering works, combined with innovative prefabrication solutions, helps accelerate project completion. An additional advantage of the system is the option to integrate **SKT OPOTERM** top-mounted roller shutters.

MB-79N RENO window components are manufactured in line with the principles of sustainable construction. The aluminium profiles can be produced using low-carbon or even ultra-low-carbon aluminium, and at the end of their service life they are fully recyclable.

FEATURES AND BENEFITS OF THE MB-79N RENO WINDOWS



01 FOR FABRICATORS:

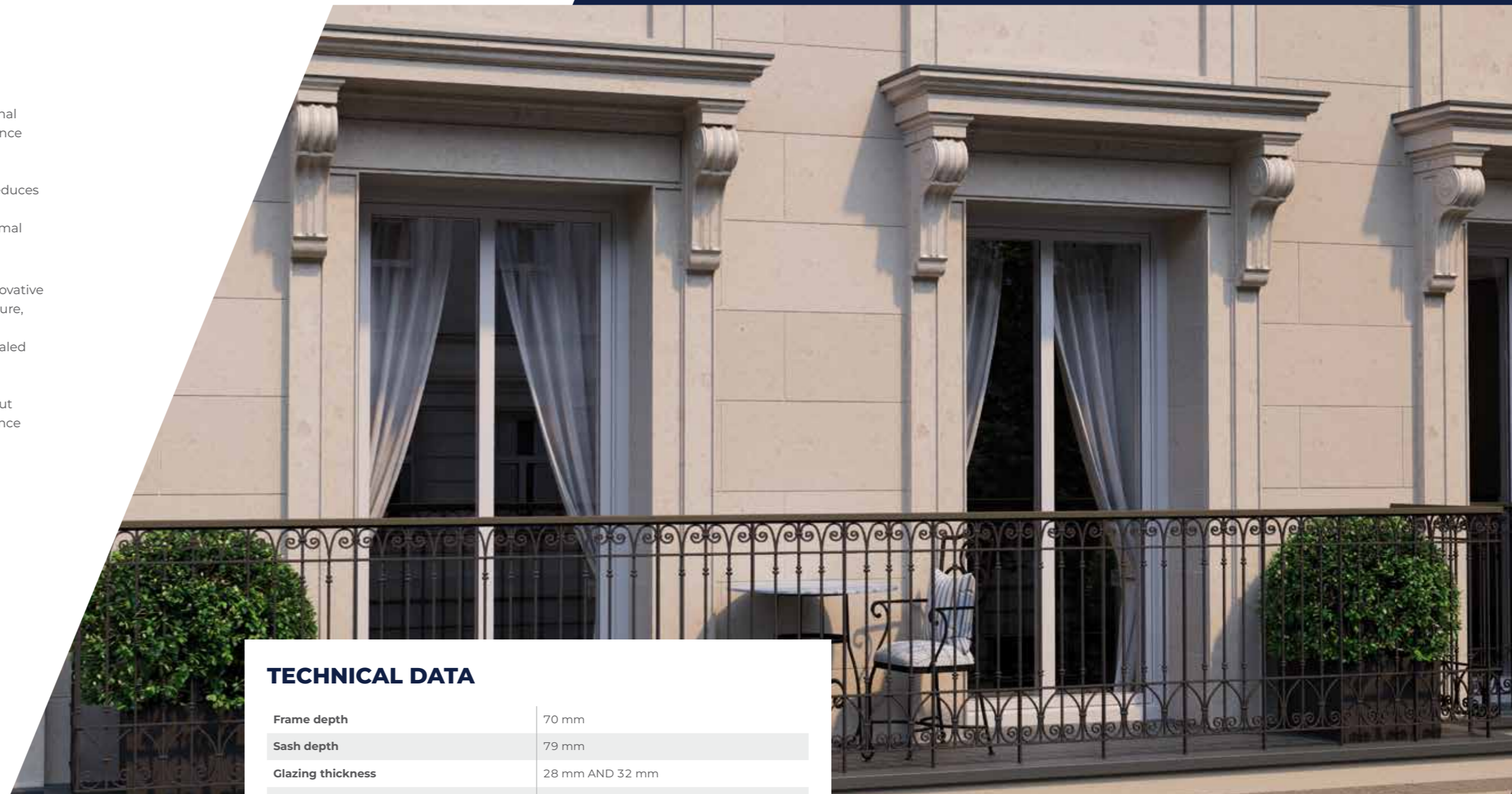
- Aesthetic concealed drainage system – eliminates the need for additional drainage caps, simplifying installation and improving the final appearance
- Co-extruded glazing bead with gasket – reduces the number of components and shortens prefabrication time
- Co-extruded thermal break with integrated internal glazing gasket – reduces the number of assembly operations, improving production efficiency
- Option to incorporate a central gasket within the sash – enhances thermal performance and air tightness without complex modifications

02 FOR ARCHITECTS:

- Contemporary design, durability and lightweight construction – an innovative combination of advanced solutions and a robust yet lightweight structure, ensuring long-term performance and user comfort
- Minimalist aesthetics and maximum daylight – slim profiles and concealed construction elements maximise natural light while enabling clean, refined architectural designs
- Concealed sash and hidden drainage – pure, uninterrupted lines without visible technical elements, reinforcing the modern minimalist appearance of the façade
- Consistent visual appearance across the window range, ideal for contemporary and industrial-style projects

03 FOR DEVELOPERS AND HOMEOWNERS:

- Aesthetic solutions, high functionality, slim aluminium profiles and a wide range of configurations: single-sash windows, double-sash windows with floating mullion, and fixed lights



TECHNICAL DATA

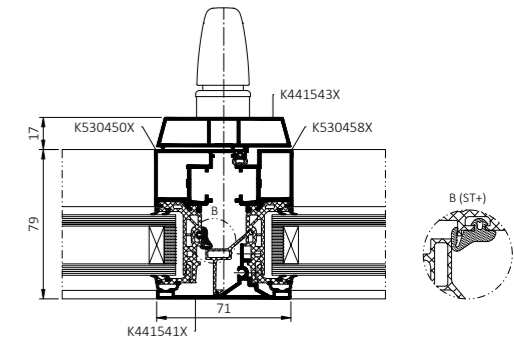
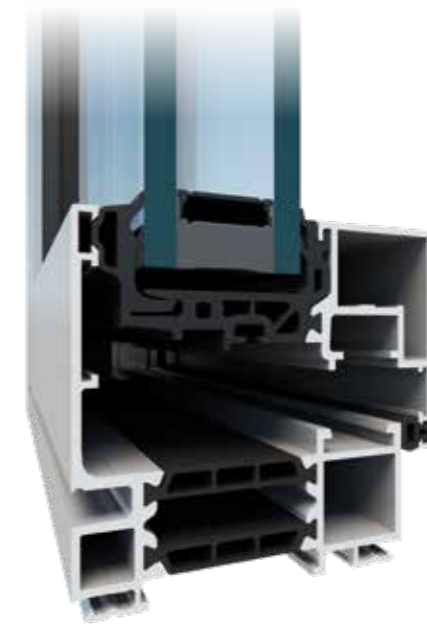
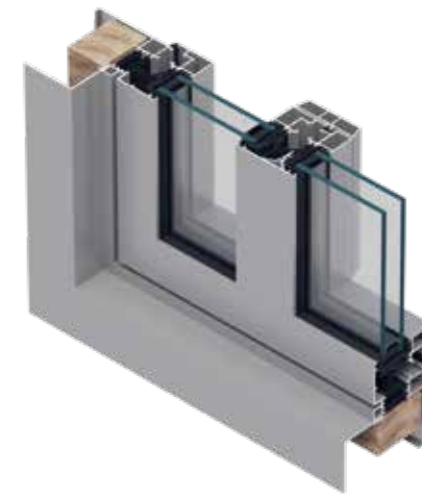
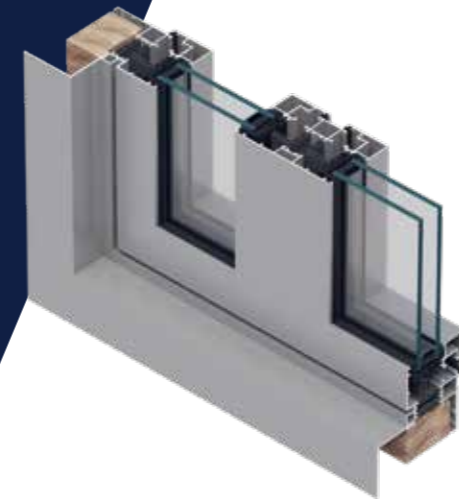
Frame depth	70 mm
Sash depth	79 mm
Glazing thickness	28 mm AND 32 mm
Maximum sash dimensions (H×W)	H up to 2200 mm, W up to 1000 mm



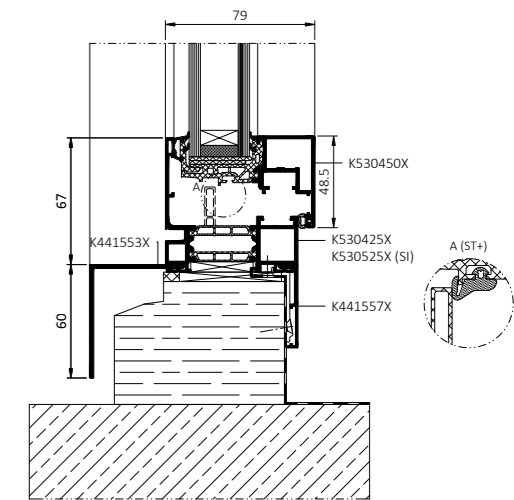
TECHNICAL PERFORMANCE

Air permeability	up to class 4, EN 12207
Watertightness	from 600 Pa up to 1950 Pa, EN 12208
Wind load resistance	class C3 (1200 Pa)/B3 (1200 Pa) EN 12210
Thermal insulation	U_w from 1,2 W/(m ² K)*

* U_w value for a fixed MB-79N RENO window with sash dimensions of 1000 × 2200 mm and $U_g=1.0$ W/(m²K)



section through the floating mullion



window section

REIMAGINE IN ALUMINIUM



MB-43 SLIDE RENO SLIDING DOORS

MB-43 SLIDE RENO is a sliding door system developed for the modernisation of existing buildings, wherever speed, aesthetics and full control over the scope of works are essential. It is a solution that makes it possible to restore both the functionality and appearance of glazed areas **without removing existing frames or carrying out costly finishing works**. A key advantage of the system is the possibility of **installing the doors without interfering with walls or window reveals**, minimising the need for interior renovation work.

Slim profiles, clean lines and the absence of glazing beads allow **MB-43 SLIDE RENO** sliding doors to align perfectly with contemporary architectural trends, delivering maximum daylight while keeping visible aluminium sections to an absolute minimum.



MB-43 SLIDE RENO SLIDING DOORS

Choosing **MB-43 SLIDE RENO** sliding doors means more than achieving an outstanding visual effect and creating a practical terrace access solution. It also delivers tangible savings in time, costs and on-site risk, particularly in renovation projects carried out in occupied or operational buildings. The system can also be fitted with **SKT OPOTERM** top-mounted roller shutters.

MB-43 SLIDE RENO door components are manufactured in line with the principles of sustainable construction. The aluminium profiles can be produced using low-carbon or even ultra-low-carbon aluminium, and at the end of their service life they are fully recyclable.

FEATURES AND BENEFITS OF THE MB-43 SLIDE RENO DOORS



01 FOR FABRICATORS:

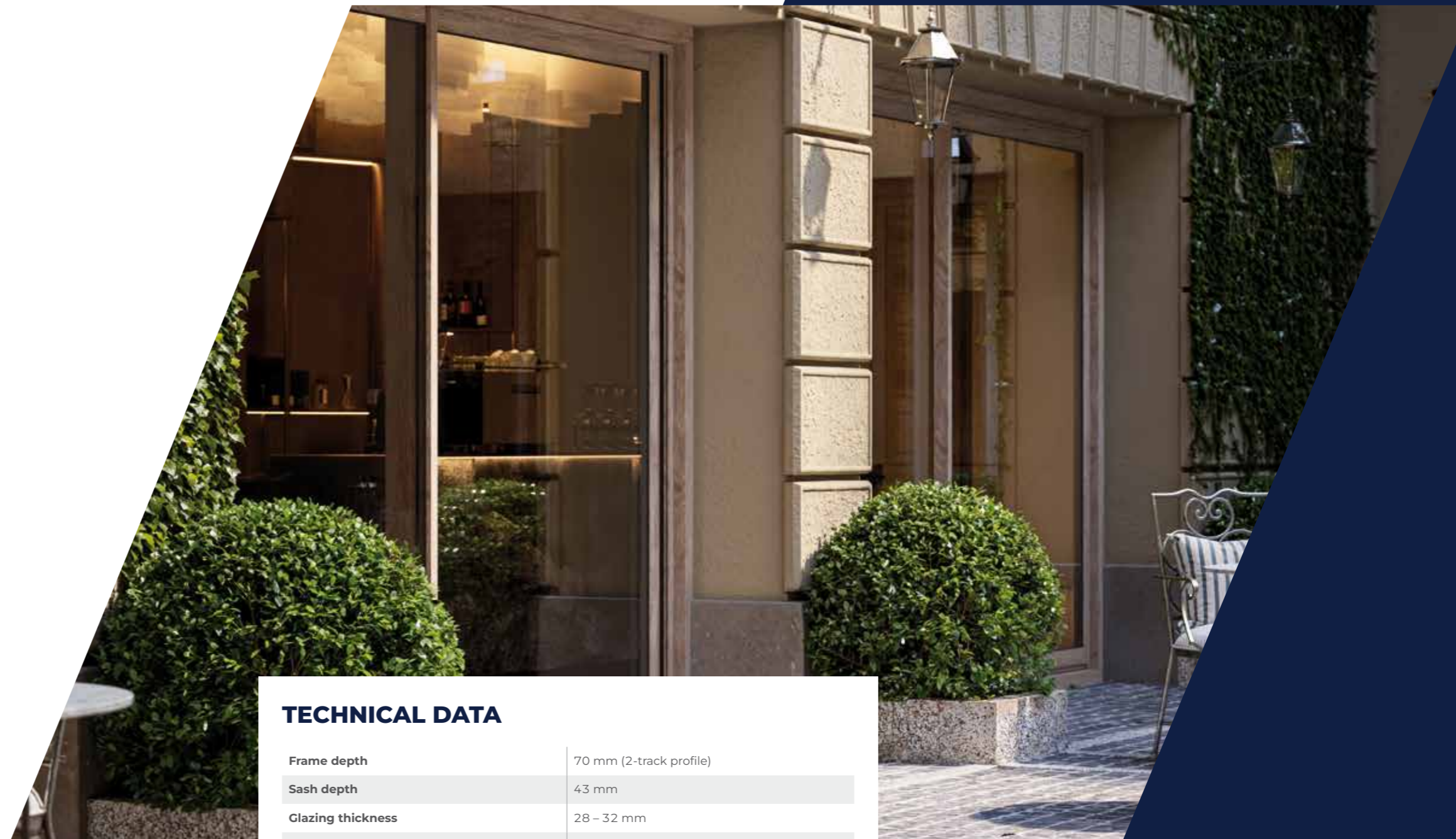
- Fast and straightforward prefabrication without complex machining operations
- Reduced number of components and accessories for a simplified production process
- Aesthetic concealed drainage without additional drainage caps, or surface drainage option
- Compatibility with hardware from a leading French manufacturer
- Slimline construction enabling large and heavy glazed units

02 FOR ARCHITECTS:

- Minimalist design with clean lines, aligned with contemporary architectural trends
- Maximum daylight with minimal visible aluminium sections
- Visual and structural consistency with window systems
- Greater design flexibility in renovation projects without altering the existing building structure

03 FOR HOMEOWNERS AND END USERS:

- Modern, aesthetically refined glazing solutions without costly renovation works
- Shorter project timescales and reduced disruption during installation
- Bright interiors and a high level of user comfort
- The durability of aluminium as a long-term alternative to traditional materials



TECHNICAL DATA

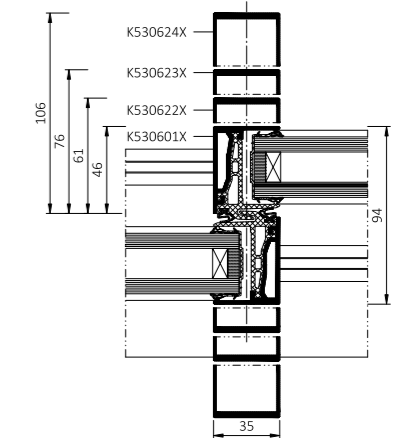
Frame depth	70 mm (2-track profile)
Sash depth	43 mm
Glazing thickness	28 - 32 mm
Maximum sash dimensions (H×W)	H up to 2300 mm, W up to 1500 mm



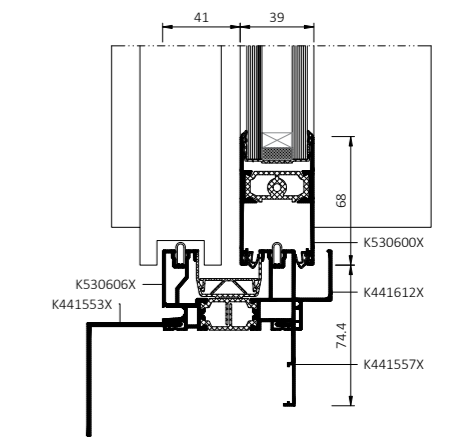
TECHNICAL PERFORMANCE

Air permeability	class 3, EN 12207
Watertightness	class E 250, EN 12208
Wind load resistance	class C3, EN 12210
Thermal insulation	U_w from 1,4 W/(m ² K)*

* U_w value for MB-43 SLIDE RENO doors measuring 3000 × 2200 mm, with $U_g=1,0$ W/(m²K)



section through the door mullion



bottom door section



CONTEMPORARY MINIMALIST DESIGN

MB-79N MONO WINDOWS

MB-79N MONO is a modern monoblock window system developed for new-build projects and designed to meet the requirements of the French market. It enables **installation within the insulation layer** for insulation depths ranging from 100 to 180 mm, in line with current energy-efficient building standards. Specially designed frames allow the insulation layer to be concealed neatly, giving the façade an elegant and harmonious appearance. Slim profiles and the option of a **concealed sash** ensure a minimalist aesthetic and excellent daylight penetration. An additional advantage of the system is the option to integrate **SKT OPOTERM** top-mounted roller shutters.

FEATURES AND BENEFITS OF THE MB-79N MONO WINDOWS



01 FOR FABRICATORS:

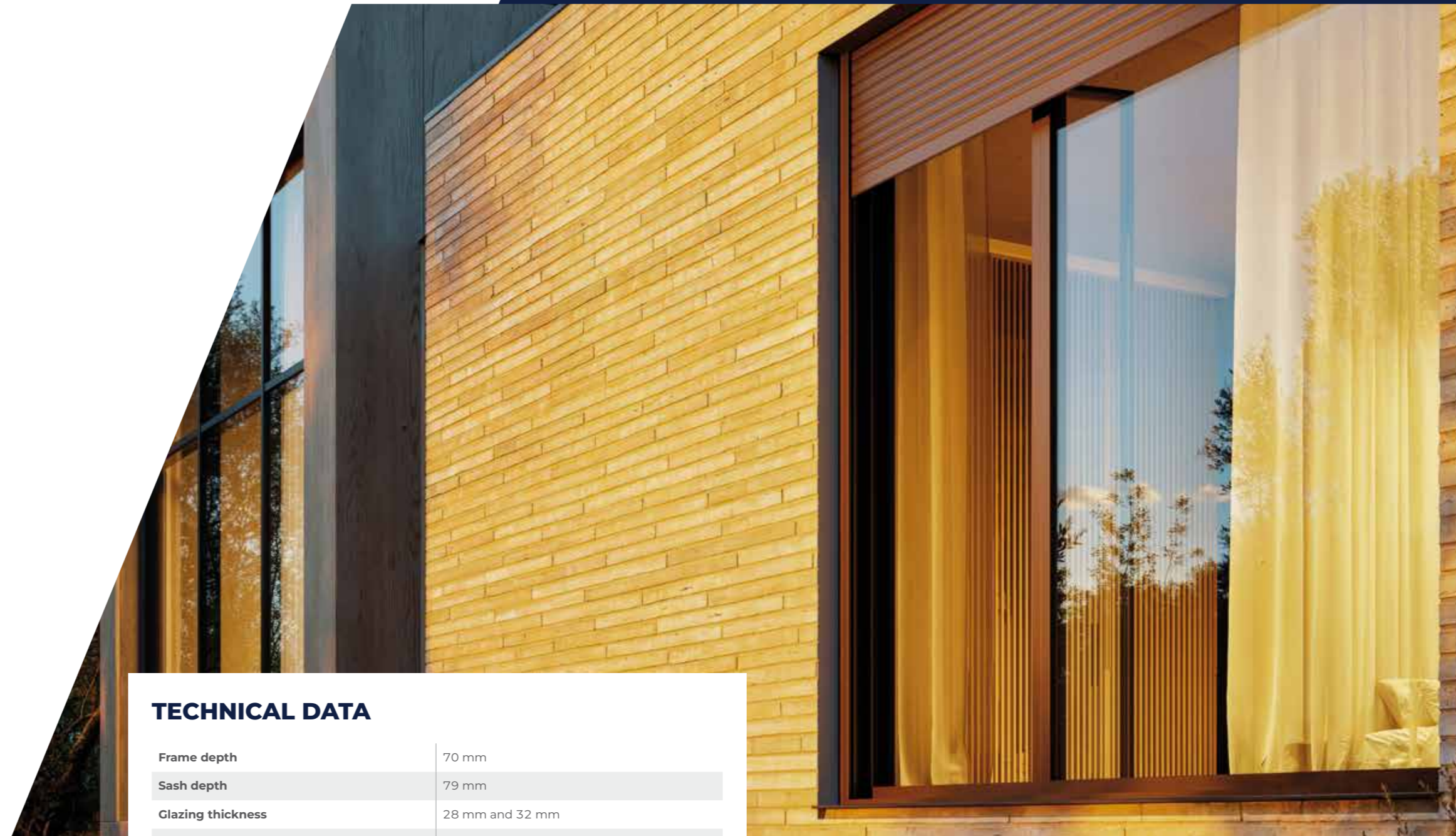
- Aesthetic concealed drainage system
 - eliminates the need for additional drainage caps, simplifying installation and improving the final appearance
- Co-extruded glazing bead with gasket
 - reduces the number of components and shortens prefabrication time
- Co-extruded thermal break with integrated internal glazing gasket
 - reduces the number of assembly operations, improving production efficiency
- Option to incorporate a central gasket within the sash
 - enhances thermal performance and air tightness without complex modifications
- ST frame with separation of wet and dry zones
 - a polyamide fin provides technical separation between the zones, improving the durability, resistance and long-term reliability of the window system

02 FOR ARCHITECTS:

- Contemporary design, durability and lightweight construction
 - an innovative combination of advanced solutions and a robust yet lightweight structure, ensuring long-term performance and user comfort
- Minimalist aesthetics and maximum daylight
 - slim profiles and concealed construction elements maximise natural light while enabling clean, refined architectural designs
- Concealed sash and hidden drainage
 - pure, uninterrupted lines without visible technical elements, reinforcing the modern minimalist appearance of the façade
- Consistent visual appearance across the window range, ideal for contemporary and industrial-style projects

03 FOR DEVELOPERS AND HOMEOWNERS:

- Aesthetic solutions, high functionality, slim aluminium profiles and a wide range of configurations: single-sash windows, double-sash windows with floating mullion, and fixed lights



TECHNICAL DATA

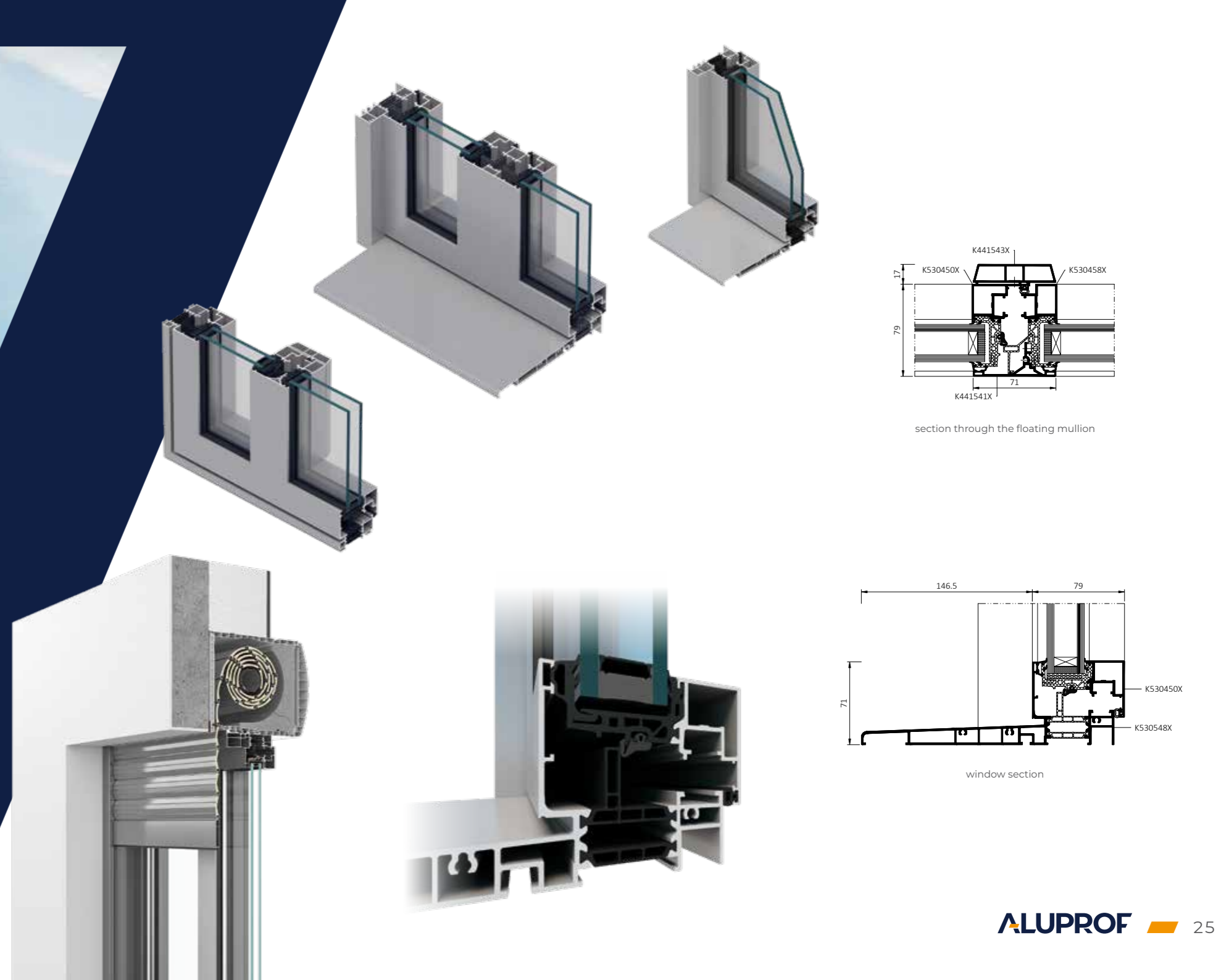
Frame depth	70 mm
Sash depth	79 mm
Glazing thickness	28 mm and 32 mm
Maximum sash dimensions (H×W)	H up to 2200 mm, W up to 1000 mm



TECHNICAL PERFORMANCE

Air permeability	up to class 4, EN 12207
Watertightness	from 600 Pa up to 1950 Pa, EN 12208
Wind load resistance	class C3 (1200 Pa) / B3 (1200 Pa) EN 12210
Thermal insulation	U_w from 1,2 W/(m ² K)*

* U_w value for a fixed MB-79N MONO window with sash dimensions of 1000 x 2200 mm and $U_g=1,0$ W/(m²K)





CONTEMPORARY MINIMALIST DESIGN

MB-43 SLIDE MONO SLIDING DOORS

MB-43 SLIDE MONO is a sliding door system developed in line with the standards of contemporary French residential construction, with a strong focus on energy efficiency, refined detailing and installation within the thermal insulation layer. The system meets these requirements through monoblock frames designed **for installation within the insulation layer** with insulation thicknesses ranging from 100 to 180 mm. It allows the insulation around the glazed area to be concealed neatly, creating a clean, well-ordered façade and ensuring a consistent, carefully controlled appearance of architectural details in line with French design standards. The system can also be fitted with **SKT OPOTERM** top-mounted roller shutters.

FEATURES AND BENEFITS OF THE MB-43 SLIDE MONO DOORS



01 FOR FABRICATORS:

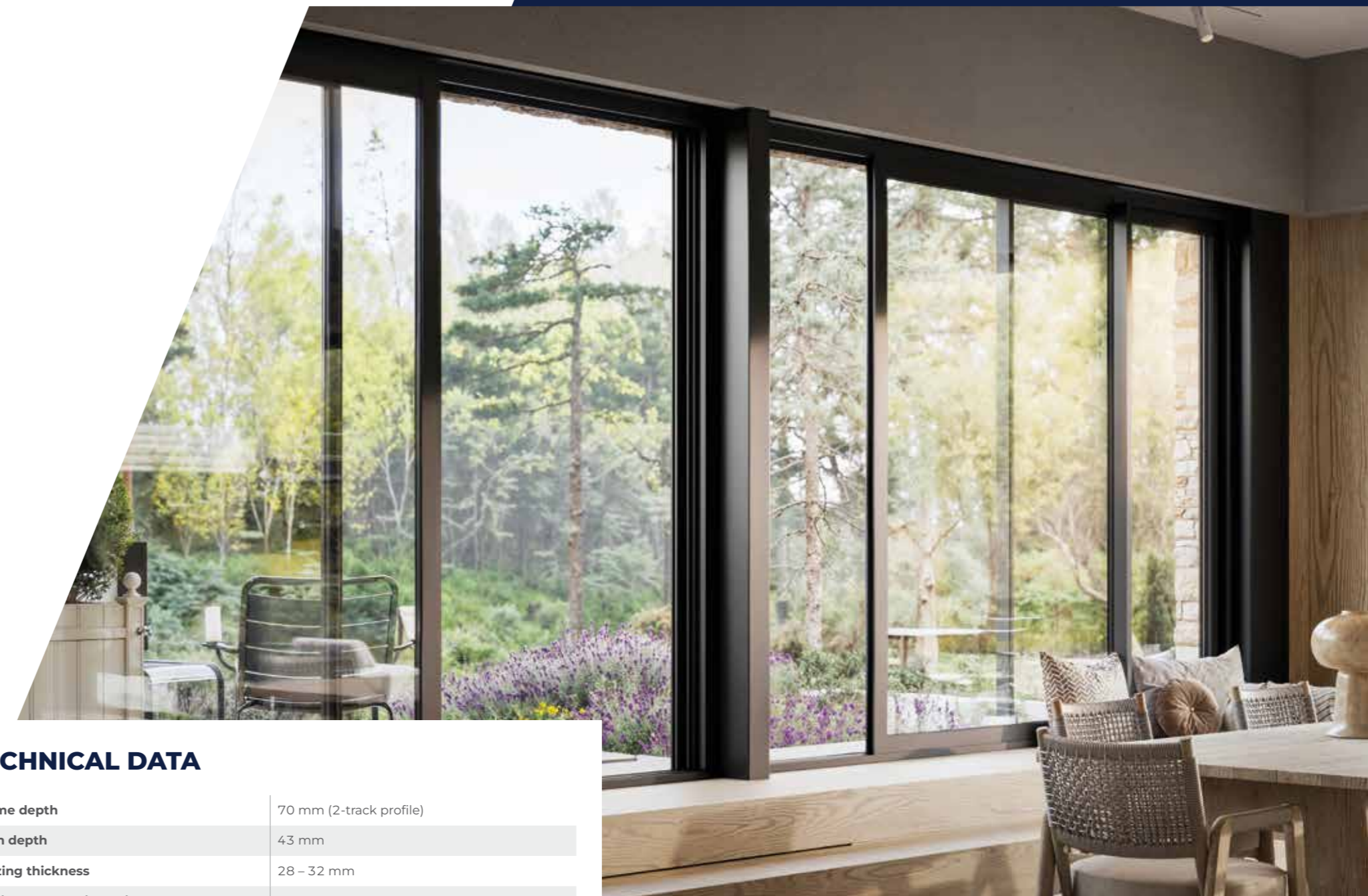
- Fast and straightforward prefabrication without complex machining operations
- Reduced number of components and accessories for a simplified production process
- Aesthetic concealed drainage without additional drainage caps
- Compatibility with hardware from a leading French manufacturer
- Slimline construction

02 FOR ARCHITECTS:

- Installation within the insulation layer without compromising aesthetics
- Minimalist form with clean lines and refined detailing
- Maximum daylight while maintaining façade consistency
- A system developed to meet the stringent architectural requirements of the French market

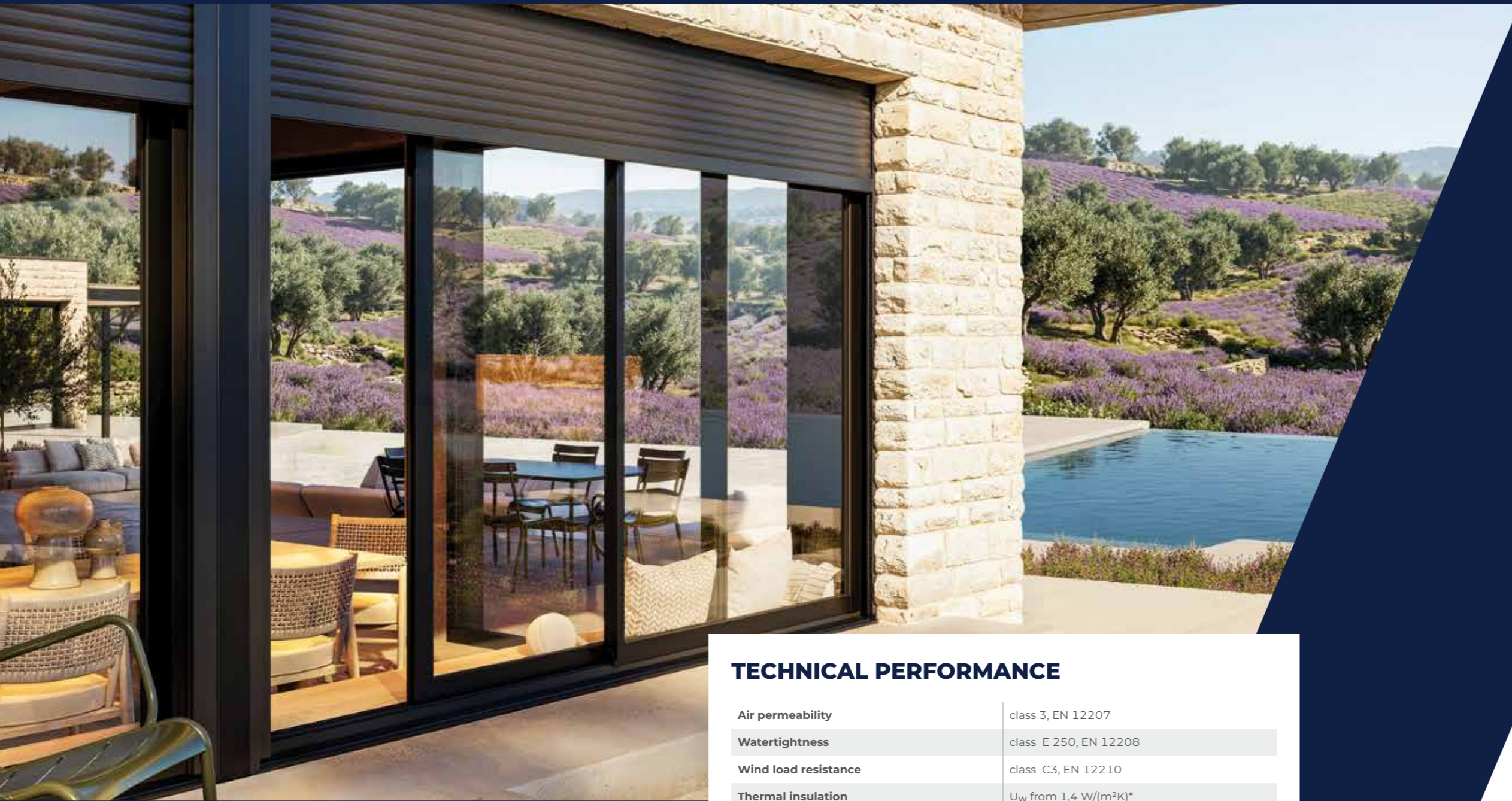
03 FOR HOMEOWNERS AND END USERS:

- Aesthetic, well-ordered façades aligned with contemporary architectural standards
- High user comfort and the functionality of a sliding system
- Bright, open interiors thanks to large glazed areas
- The durability of aluminium and the long-term stability of the solution



TECHNICAL DATA

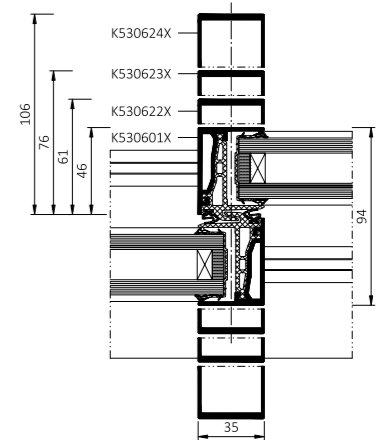
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Sash depth	43 mm
Glazing thickness	28 – 32 mm
Maximum sash dimensions (H×W)	H up to 2300 mm, W up to 1500 mm



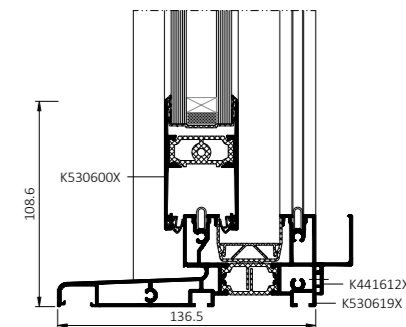
TECHNICAL PERFORMANCE

Air permeability	class 3, EN 12207
Watertightness	class E 250, EN 12208
Wind load resistance	class C3, EN 12210
Thermal insulation	U_w from 1,4 W/(m ² K)*

* U_w value for MB-43 SLIDE MONO doors measuring 3000 × 2200 mm, with $U_g=1,0$ W/(m²K)



section through the mullion



bottom door section

SUSTAINABLE BUILDING SOLUTIONS WITH ALUPROF WINDOWS AND DOORS

ALUMINIUM RECYCLING

The aluminium we use in the production of window and door profiles is not only durable and lightweight – it is also exceptionally environmentally friendly thanks to its unlimited recyclability. As part of its extensive sustainability efforts, Aluprof not only reuses its own production waste, but also recovers and processes post-consumer aluminium sourced from the market. This recycled material is then used as a raw component in the production of new extruded aluminium sections.

The entire process is governed by stringent scrap quality requirements, ensuring that contaminated aluminium is excluded from remelting and that no harmful substances are released into the atmosphere that could pose a threat to the environment. This commitment is reflected in a carbon footprint value of 3,3 tCO₂ e.



THANKS TO ALUMINIUM RECYCLING



WE SAVE

95%

of the ENERGY required to produce primary aluminium derived from bauxite

WE REDUCE

95%

OF AIR POLLUTION EMISSIONS

WE REDUCE

97%

OF WATER POLLUTION

ISO 14001 Environmental Management System
ISO 9001 Quality Management System

OLD ALUMINIUM – NEW POSSIBILITIES

Thanks to advanced technologies, used aluminium materials – such as façades, windows and doors – undergo a complete recycling process and gain a new life. New products created from recycled aluminium not only retain their durability and aesthetic appeal, but also feature a significantly reduced carbon footprint, supporting more sustainable construction.

How does the process work?

- **Collection and sorting.** Used aluminium materials are collected and carefully sorted according to their type and properties.
- **Melting and purification.** The aluminium undergoes a remelting and purification process that removes impurities and prepares the material for reuse.
- **Manufacturing new products.** Recycled aluminium is then used to produce new windows, doors and façades offering the same quality and performance as products made from primary raw material, but with a significantly lower carbon footprint.



LOW CARBON

Aluprof's contribution to sustainable construction and the reduction of carbon emissions can be found in every window, door and façade manufactured using our systems.

By taking a comprehensive approach to both embodied and operational carbon, we strive to deliver environmentally responsible solutions without compromising on quality or technical performance.

STANDARD RANGE

5,7 eCO₂/kg

Standard aluminium billets made from primary aluminium – 5.7 eCO₂/kg

LOW-CARBON RANGE

2,9 eCO₂/kg

Low-carbon billets – 2.9 eCO₂/kg compared to the EU average of 6.7 eCO₂/kg. Contains 65% recycled aluminium

ULTRA-LOW-CARBON RANGE

1,2 eCO₂/kg

Ultra-low-carbon billets – profiles with a footprint of 1.24 eCO₂/kg, including 85% post-consumer recycled aluminium

Learn more →





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ALUPROF

ALUMINIUM SYSTEMS

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