

UltraSlim

Less is more

ULTRASLIM | Less is more



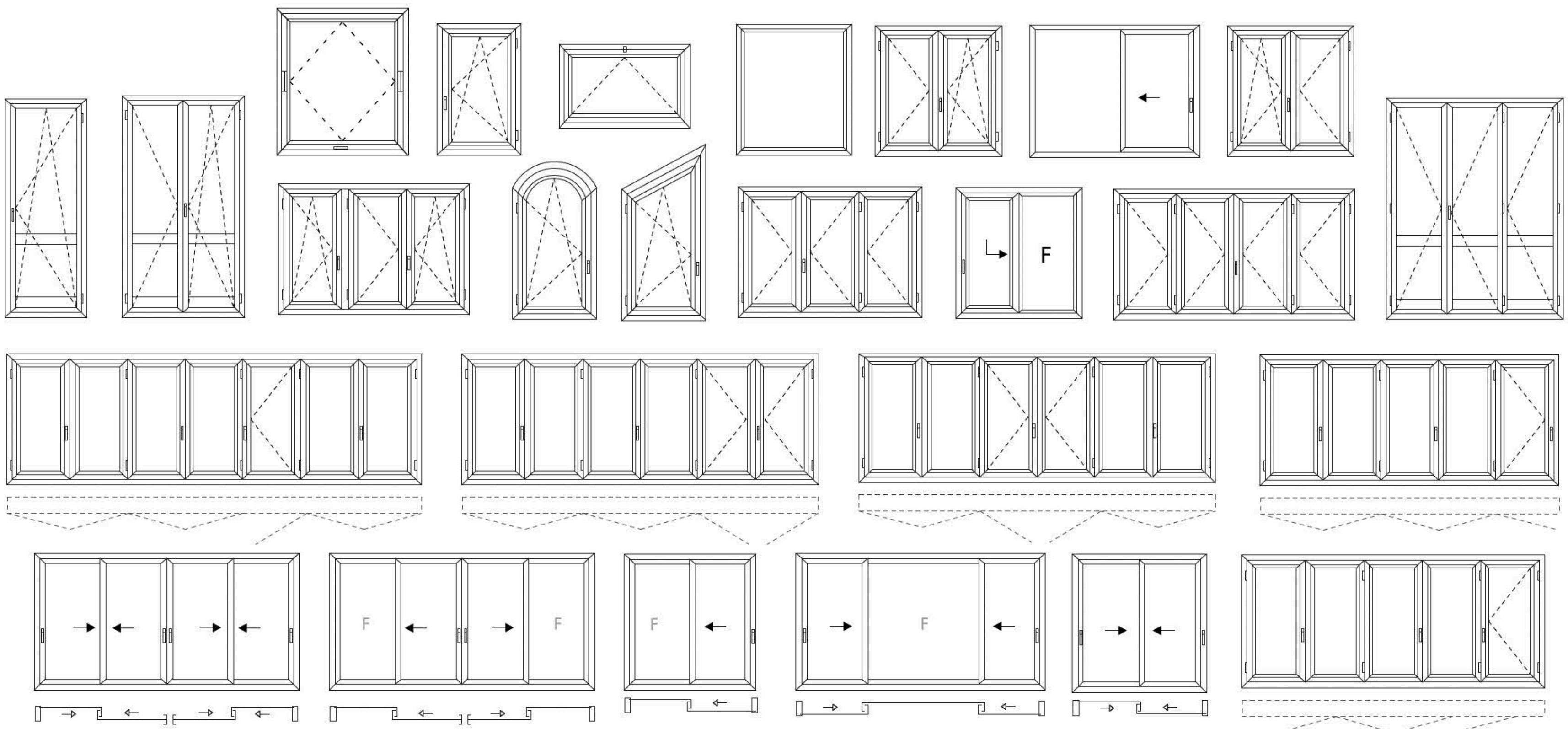


TERRAPEX ALUMINUM-WOOD SYSTEM

Terrapex embodies the harmony of engineered strength and natural warmth—an architectural dialogue between precision-crafted aluminum and the timeless character of wood. Designed for those who seek refinement without compromise, Terrapex introduces a new language of slim profiles, elevated performance, and immersive clarity.

Its meticulously balanced construction allows expansive openings and fluid transitions, while the tactile presence of wood enriches every space with organic depth and visual warmth. With Terrapex, boundaries soften, views expand, and living environments take on a grounded elegance that feels both modern and authentically connected to nature.

Terrapex—where crafted materiality meets limitless living.



EXAMPLES OF SLIDING CONFIGURATIONS



Handle

The ergonomic Aurora handle offers effortless operation and multiple finishes to suit your style.



Multiple Threshold Options

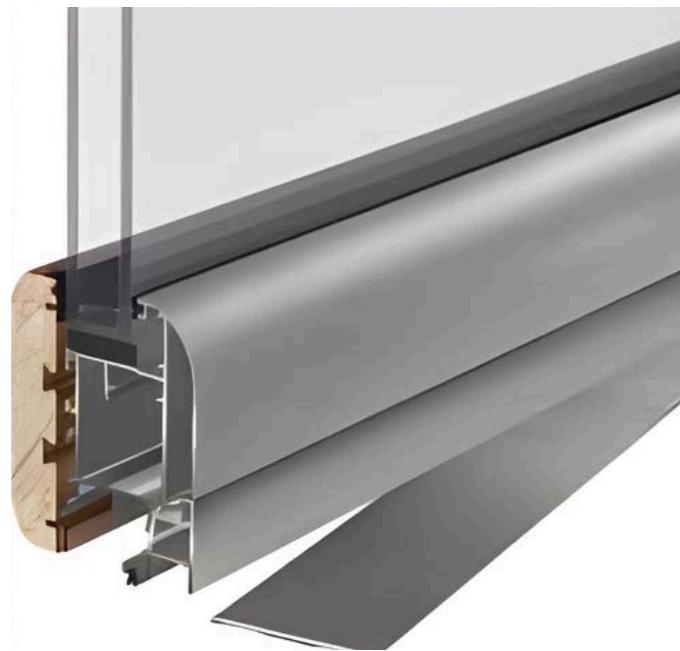
Floor-flush sills eliminate architectural barriers, ensuring seamless transition and safety throughout the home



Concealed Hinge

Hidden hinges enable 180° opening and support up to 150kg per sash for smooth, durable operation.

Variety of Threshold Options



Hardwearing Sill

An ultra-low-profile solution, the Hardwearing Sill stands at just 15mm. It is specifically designed for high-traffic areas, offering minimal obstruction and superior durability.



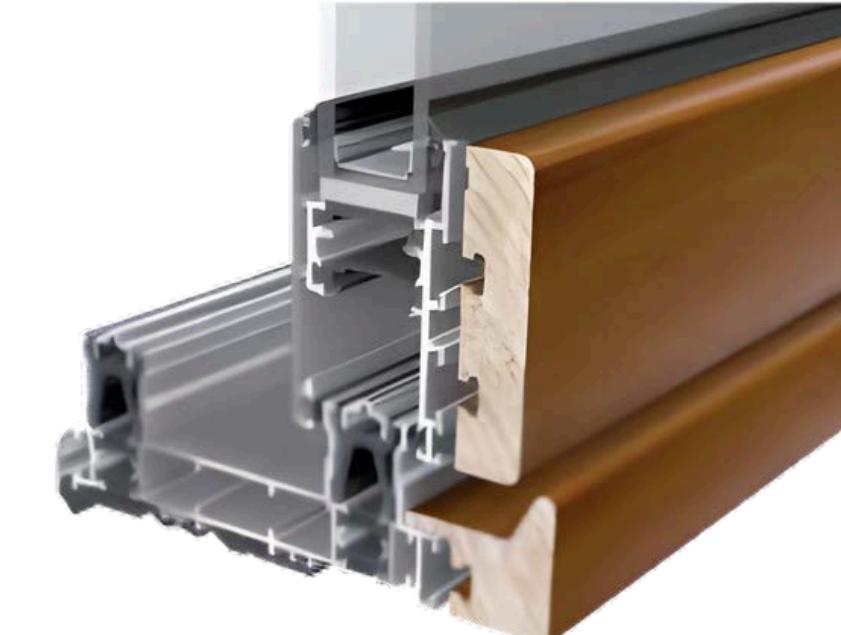
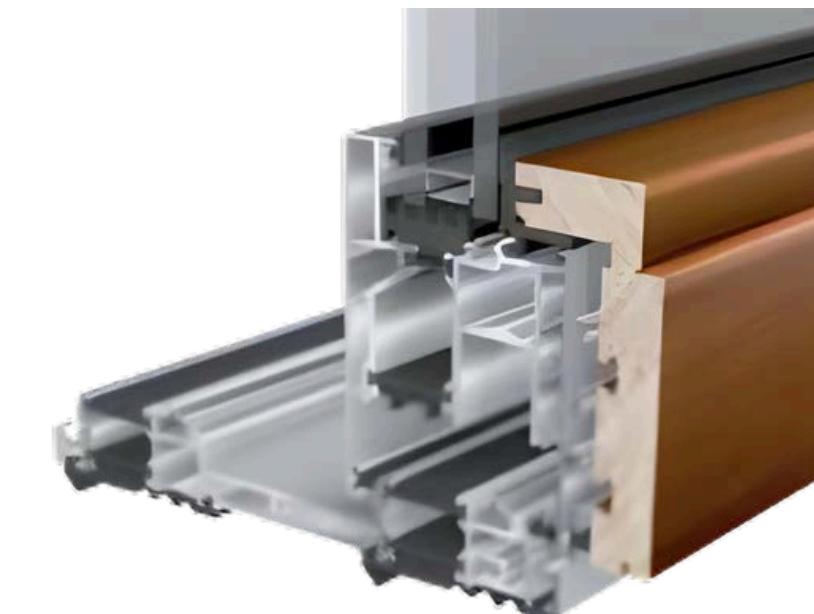
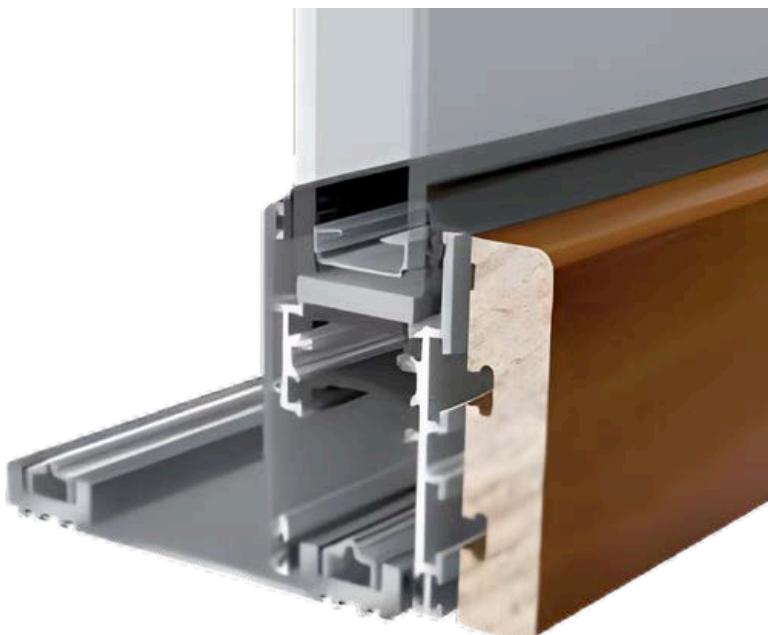
Lowered Sill

The Lowered Sill features a profile height of 25mm. This option significantly reduces architectural barriers, fully complying with legal requirements without compromising system performance.



Standard Sill

The Standard Sill provides a robust profile with a height of 50mm. This design is ideal for traditional sliding applications, ensuring stability and a strong frame presence.





Variety of Profiles Cutting

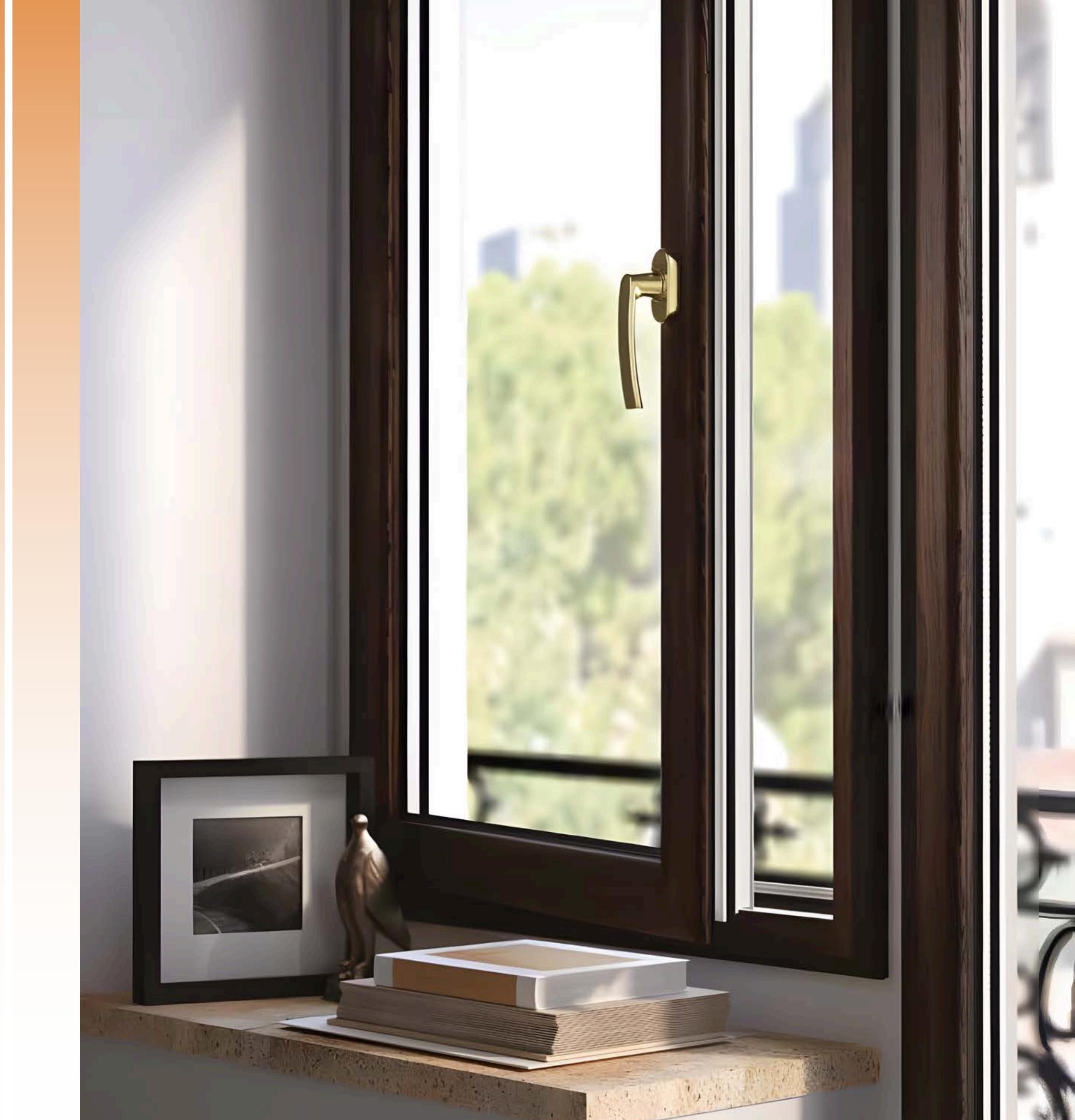
Our systems support versatile joining techniques for timber and aluminum, featuring exquisite 90° and 45° mitered corners. These meticulously crafted joinery options provide boundless design flexibility, delivering a refined and minimalist aesthetic for the most discerning projects.

TECHNICAL DATA



TERRAPEX CASEMENT SOLUTION

Redefine your space with the TERRAPEX wood-aluminum casement system. It seamlessly blends the classic aesthetic of natural interior wood with a high-performance, weather-resistant aluminum exterior. Offering superior thermal insulation and effortless operation, this solution provides a sophisticated, airtight seal that ensures lasting tranquility and architectural elegance for any modern home.



SPECIFICATION

BASIC DATA

Section: Frame 70mm / Leaf from 90mm
Visible Section: Lateral 97mm / Central 152mm
Thermal Break Bar: Double Tubular Bars
Maximum Weight: 130kg
Size of Glass Groove: 58mm

PERFORMANCE

Thermal Insulation: $< U_w 1.36$
Waterproof Performance: E1500
Wind Load Resistance: Class C4
Air Tightness: Class 4

FRAME & STRUCTURE

Thermally broken alloy profile, 6060-T66 grade.

THERMAL & SEALING

Automotive-grade rubber and high-quality thermal break strips.

LOAD-BEARING CAPACITY

Aluminum frame can bear a single panel weight of up to 150 kg.

AESTHETICS

Multiple wood textures and finishes are available.

GLAZING SAFETY & SOUND

Insulating soundproof glass, international 3C certification approved.

CUSTOMIZATION

Available in a variety of wood profiles cutting and customizable colors.

CERTIFICATE

CE marked.

SAMPLE



SPECIFICATION

BASIC DATA

Section: Frame 82mm / Leaf from 112mm
Visible Section: Lateral 97mm / Central 152mm
Thermal Break Bar: Double Tubular Bars
Maximum Weight: 130kg
Size of Glass Groove: 70mm

PERFORMANCE

Thermal Insulation: $< U_w 0.84$
Waterproof Performance: E1500
Wind Load Resistance: Class C5
Air Tightness: Class 4

FRAME & STRUCTURE

Thermally broken alloy profile, 6060-T66 grade.

THERMAL & SEALING

Automotive-grade rubber and high-quality thermal break strips.

LOAD-BEARING CAPACITY

Aluminum frame can bear a single panel weight of up to 150 kg.

AESTHETICS

Multiple wood textures and finishes are available.

GLAZING SAFETY & SOUND

Insulating soundproof glass, international 3C certification approved.

CUSTOMIZATION

Available in a variety of wood profiles cutting and customizable colors.

CERTIFICATE

CE marked.

SAMPLE



SPECIFICATION

BASIC DATA

Section: Frame 92mm / Leaf from 112mm
Visible Section: Lateral 97mm / Central 152mm
Thermal Break Bar: 38mm
Maximum Weight: 130kg
Size of Glass Groove: 80mm

PERFORMANCE

Thermal Insulation: $U_w < 0.79$
Waterproof Performance: E1500
Wind Load Resistance: Class C5
Air Tightness: Class 4

FRAME & STRUCTURE

Thermally broken alloy profile, 6060-T66 grade.

THERMAL & SEALING

Automotive-grade rubber and high-quality thermal break strips.

LOAD-BEARING CAPACITY

Aluminum frame can bear a single panel weight of up to 150 kg.

AESTHETICS

Multiple wood textures and finishes are available.

GLAZING SAFETY & SOUND

Insulating soundproof glass, international 3C certification approved.

CUSTOMIZATION

Available in a variety of wood profiles cutting and customizable colors.

CERTIFICATE

CE marked.

SAMPLE



TERRAPEX SLIDING SOLUTION

Experience the pinnacle of luxury with TERRAPEX, our premium wood-aluminum sliding system. Combining the organic warmth of refined interior wood with the indestructible resilience of an exterior aluminum shell, it offers seamless operation and panoramic transparency. Elevate your architecture with a solution designed for ultimate comfort and timeless elegance.



SPECIFICATION

BASIC DATA

Section: Frame 160mm / Leaf 67mm

Visible Section: 90mm

Maximum Weight: 200kg

Size of Glass Groove: 37mm

PERFORMANCE

Thermal Insulation: $< U_w 1.42$

Waterproof Performance: E1500

Wind Load Resistance: Class C4

Air Tightness: Class 4

FRAME & STRUCTURE

Thermally broken alloy profile, 6060-T66 grade.

THERMAL & SEALING

Complanar bars on the sash and complanar/tubular on frames.

LOAD-BEARING CAPACITY

Aluminum frame can bear a single panel weight of up to 250 kg.

AESTHETICS

Multiple wood textures and finishes are available.

GLAZING SAFETY & SOUND

Insulating soundproof glass, international 3C certification approved.

CUSTOMIZATION

Available in a variety of wood profiles cutting and customizable colors.

CERTIFICATE

CE marked.

SAMPLE



SPECIFICATION

BASIC DATA

Section: Frame 214mm / Leaf 99mm

Visible Section: 113mm

Maximum Weight: 400kg

Size of Glass Groove: 59mm

PERFORMANCE

Thermal Insulation: $< U_w 0.91$

Waterproof Performance: E1500

Wind Load Resistance: Class C4

Air Tightness: Class 4

FRAME & STRUCTURE

Thermally broken alloy profile, 6060-T66 grade.

THERMAL & SEALING

Complanar bars on the sash and complanar/tubular on frames.

LOAD-BEARING CAPACITY

Aluminum frame can bear a single panel weight of up to 400kg.

AESTHETICS

Multiple wood textures and finishes are available.

GLAZING SAFETY & SOUND

Insulating soundproof glass, international 3C certification approved.

CUSTOMIZATION

Available in a variety of wood profiles cutting and customizable colors.

CERTIFICATE

CE marked.

SAMPLE



GLOBAL
PARTNER



AkzoNobel

Sobinco
OPENS YOUR LIFE

Quanex

Honeywell

TECHNOFORM

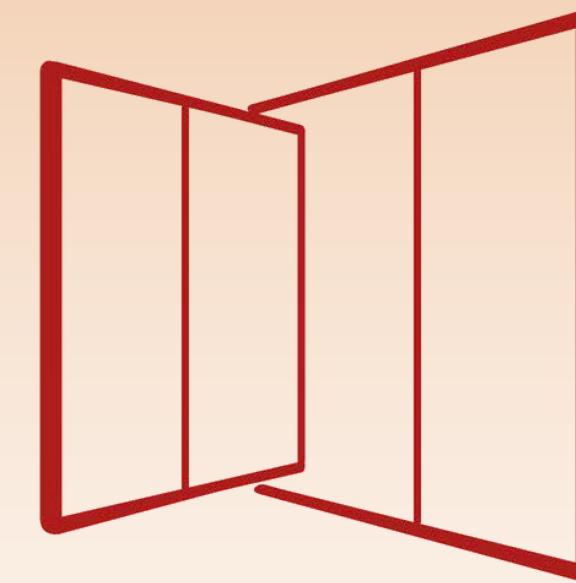


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UltraSlim

| Less is More, Engineered for Excellence |