

venuto



Venuro 3

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The principle of architecture involves mastering the rules of construction and finding ways to defy them.

We strive to push ourselves to the limit of what is physically possible. With a carbon centre profile measuring just 16 mm, we have created a foundation for residential architecture that is both impressive and unique.

Large-scale sliding windows with extremely narrow profiles: to implement these contradictory ideas, a combination of high-performance fibreglass and carbon has been integrated into the sliding windows. These materials, which were initially established for the aerospace industry, provide exceptional durability and resilience while maintaining their lightweight properties. The 16 mm thick carbon centre profile forms the heart of the system and is integrated almost seamlessly into the design. Both fascinating and magical, the project and the surrounding nature merge to form a symbiosis of architectural perfection.

The outer and vent profiles are made from continuous insulation material (composite material). Fibreglass profiles play an essential role in achieving these excellent thermal insulation values and offer a high thermal insulation capacity. This high-performance fibreglass also impresses with its high strength and lightweight properties. Using this material can ensure a long service life, even without maintenance – a truly sustainable sliding system.

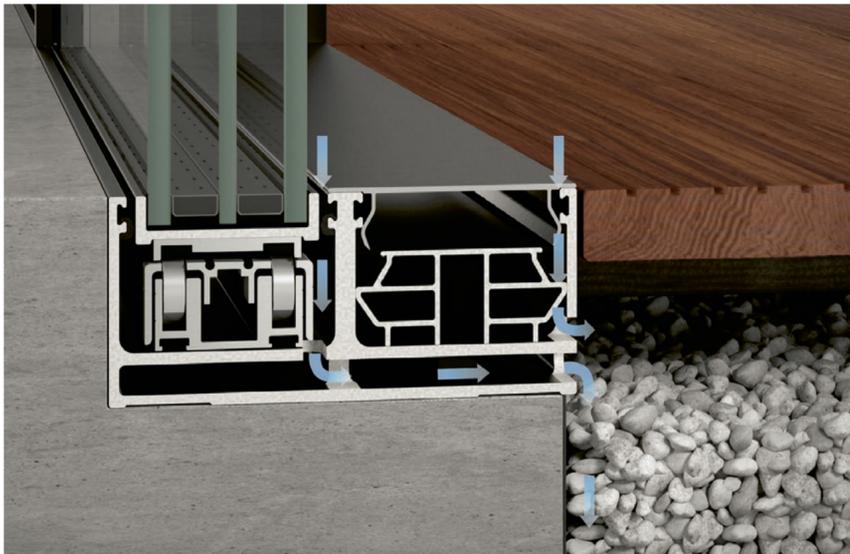
- Smooth and seamless transitions thanks to the patented Venuro lower-and-lift threshold
- The outer and vent frames are entirely made from highly insulated composite material
- Face widths of centre profile
16 mm, made from carbon
30 mm, made from aluminium
- Glass thickness up to 54 mm
- U_f value of 0.9 W/m²K | U_w value of less than 0.65 W/m²K is possible
- Rollers and roller surface made from stainless steel
- Simple and secure drainage thanks to the specific geometry of the fibreglass profile
- Integrated flyscreen



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U_w-Value: <0.65 W/m²K possible
Watertightness: Class 9A, EN 12208
Air permeability: Class 4, EN 12207
Resistance to wind load: Class C4/B4
Burglar resistance: RC2

Sound reduction index: up to 46 dB
 E-drive
 Flyscreen



Facts

Unit sizes
 for triple glazing
 Fixed vent: up to 12 m²
 Sliding vent: up to 8 m²
 Larger sizes possible
 on request

Weight of sliding vent
 Manual: up to 350 kg
 Motorised: up to 700 kg
 Heavier weights possible
 on request

Basic depth
 Single-track: 80 mm
 Double-track: 160 mm
 Triple-track: 240 mm
 Quadruple-track: 320 mm

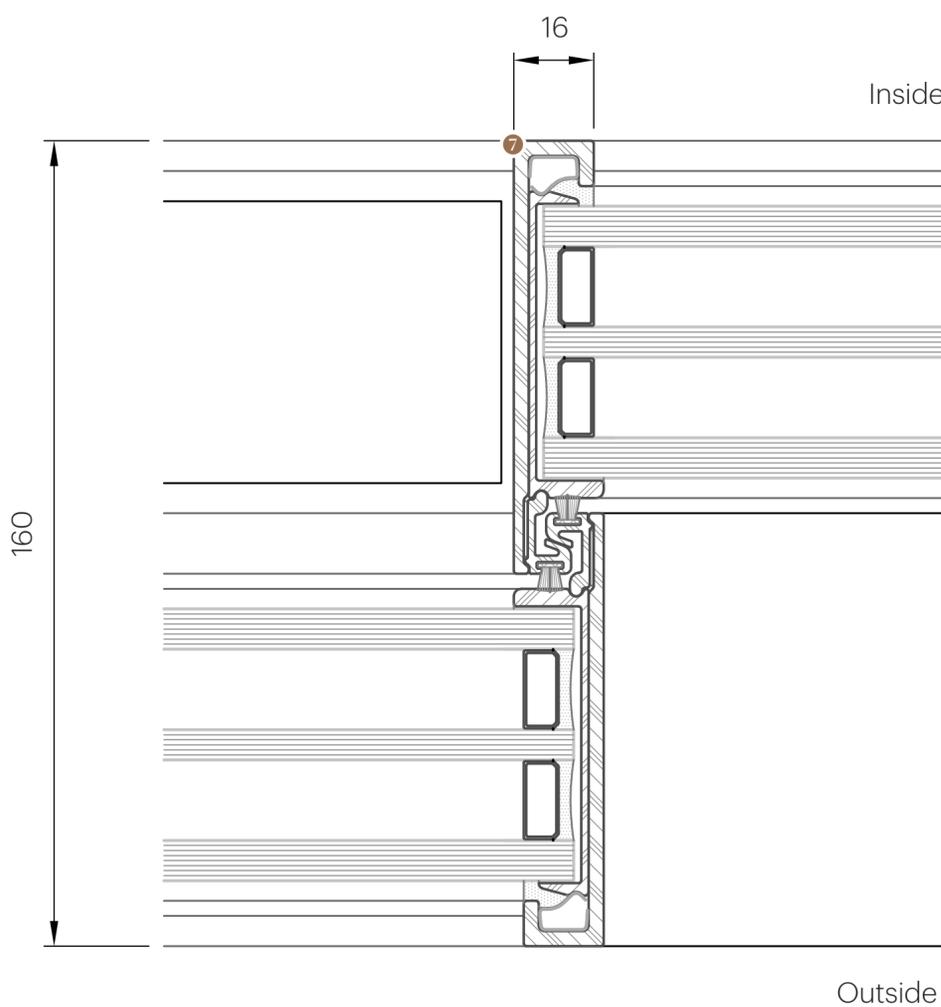
Glass thickness
 46 - 54 mm

Profile height
 70 mm

Simple and secure drainage thanks to the specific geometry of the fibreglass profile.

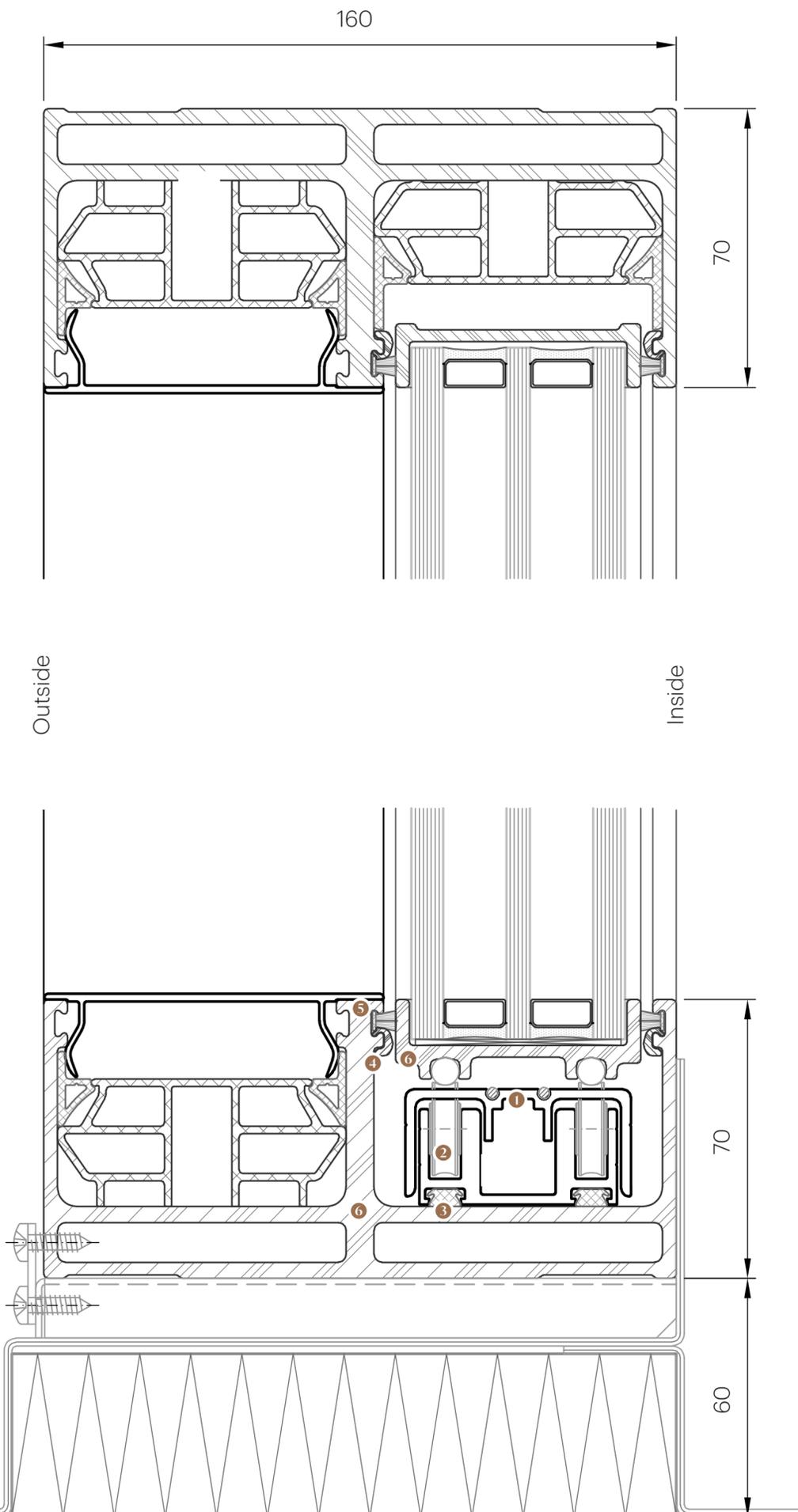
U-shaped middle profile

16 mm



Section through sliding vent

- 1 Dropped threshold**
Automatic threshold cover, 100% accessibility
- 2 Robust runner fitting**
Large-sized, closed stainless steel with high load capacity
- 3 Noise reduction**
Insulating profiles for quiet and comfortable running
- 4 Straight profiles**
Continuous, lateral buffer profiles. Increased joint tightness with wind loads
- 5 Brush sealing**
Additional brush sealing completes the highly-insulating properties
- 6 Fibreglass profiles**
Continuous composite material for maximum thermal insulation
- 7 Carbon profile**
16 mm narrow extreme rigidity and load-bearing capacity with low weight



Scale 1:1 in mm

nu

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