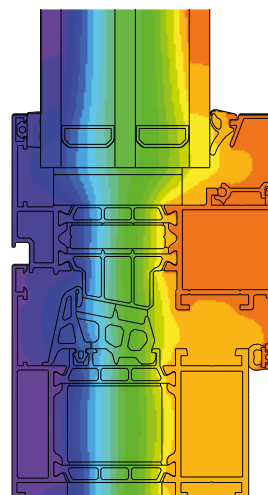


Distribution of isotherms in 9i6, door



Distribution of isotherms in 9i6, window

## FEATURES AND AESTHETICS

- profile depth: 79 mm for the vent and 70 mm for the window frame and door leaf
- the windows and doors feature thermal breaks made of an innovative material with a brand-new shape, allowing the use of a seal in the profile insulation
- three thermal variants for the window structures, the 9i67, 9i67 and 9i6. Three variants for the door structures, the 9i67, 9i6, and 9i6.
- the structure meets the Technical Requirements which came into force in 2021, at 0.9 W/(m<sup>2</sup>K) for the windows and 1.3 W/(m<sup>2</sup>K) for the doors
- thermal insulation: U<sub>w</sub> from 0.64 W/(m<sup>2</sup>K)
- excellent kinematics, making it possible to build narrow, operable windows
- door leaf profiles have an isolation joint, which eliminates thermal stresses during operation
- invisible hinges and the most popular multi-point hardware can be used, including concealed fittings, together with state-of-the-art AluPilot fittings. For doors, hardware with automation and access control functions is also available
- suitable for a wide range of double or triple glazing of up to 63 mm for windows and 54 mm for doors, making it possible to use every commonly available type of glass, including acoustic and burglary-resistant glass
- class RC1 to RC3 burglary-resistant doors can be produced using the system, as can panelled front doors, providing a wealth of aesthetic potential
- a large selection of handles in a range of styles is available, including a minimalist look, with a rosette or without
- the 9i Casement variant, with outward-opening windows and a thermal break, is also available

TECHNICAL SPECIFICATION	9i WINDOWS	9i DOORS	9i CASEMENT
Frame depth	70 mm	70 mm	70 mm
Casement depth	79 mm	70 mm	79 mm
Glazing thickness	frame: 15 – 54 mm, vent: 10.5 – 63 mm	vent: 15 – 54 mm	frame: 15 – 54 mm, vent: 10.5 – 63 mm
Max. casement size (H×L)	H to 2700 mm, L to 1350 mm / H to 2150 mm, L to 1700 mm	H to 2800 mm, L to 1400 mm	H to 2700 mm, L to 1400 mm / H to 2500 mm, L to 2400 mm

PERFORMANCE	9i WINDOWS	9i DOORS	9i CASEMENT
Air permeability	class 4, EN 12207	class 4, EN 12207	class 4, EN 12207
Water tightness	class E 1950, EN 12208	class E 900, EN 12208	class E 1800, EN 12208
Thermal insulation	U <sub>w</sub> from 0.64 W/(m <sup>2</sup> K)* U <sub>w</sub> from 0.72 W/(m <sup>2</sup> K)**	U <sub>D</sub> from 0.90 W/(m <sup>2</sup> K)***	U <sub>w</sub> from 0.74 W/(m <sup>2</sup> K)****
Windload resistance	class C5, EN 12210	class C5/B5, EN 12210	class C5/B5, EN 12210

\* - U<sub>w</sub> for 9i6, -based fixed window casement size 1700×2700 mm, with glazing U<sub>g</sub>=0.5 W/(m<sup>2</sup>K)

\*\* - U<sub>w</sub> for 9i6, -based operable window casement size 1700×2150 mm, with glazing U<sub>g</sub>=0.5 W/(m<sup>2</sup>K)

\*\*\* - U<sub>D</sub> for 9i6, door size 1400×2800 mm, with glazing U<sub>g</sub>=0.5 W/(m<sup>2</sup>K)

\*\*\*\* - U<sub>w</sub> for 9i Casement SI-based operable window casement size 1900×2500 mm, with glazing U<sub>g</sub>=0.5 W/(m<sup>2</sup>K)

