

ALUMINIUM WINDOWS

Reynaers ConceptSystem 77

An aluminium window system for new-build and renovation projects. Functional and Hidden Vent designs and several thermal insulation levels are available. Special security and fire-resistant configurations are selected separately.

* Performance depends on the selected structure and specification.

Product overview

Whole-window Uw	1,3 W/(m²·K)*
Profile Uf	1,8 W/(m²·K)*
Air permeability	Class 4 (600Pa)
Watertightness	Class E900 (900Pa)
Resistance to wind load	Class C5 (2000Pa)
Sound insulation Rw (C; Ctr)	42(-2; -4) dB
Durability	Class 3 (20000 cycles)
Burglar resistance (depending on variant)	PAS 24,RC2,RC3
Fire resistance (special variants)	EI_1 30,EI_2 30,EI_2 60,EW 30
Minimum frame width (inward opening)	51 mm
Minimum sash width (inward opening)	33 mm
Minimum frame and sash width (inward opening)	89 mm
Minimum frame width (outward opening)	17.5 mm
Minimum sash width (outward opening)	76 mm
Minimum frame and sash width (outward opening)	93.5 mm
Frame depth	68 mm
Sash depth	77 mm
Frame and sash construction depth	77 mm
Glazing rebate height	25 mm
Minimum glazing thickness in sash	4 mm
Maximum glazing thickness in sash	63 mm
Maximum sash height	Up to 2800 mm*
Maximum sash weight	Up to 170 kg*

Specification

System	Reynaers Aluminium ConceptSystem 77
Design variants	Functional, Hidden Vent
Insulation variants	Light, Standard, High Insulation, High Insulation+
Optional features	Concealed hinges, concealed drainage, insect screen, balustrade, motorised operation, glass corner, applied cladding
Final specification	Agreed according to the project and profile compatibility

Which specification do these figures apply to?

Uw calculation: 1,23 × 1,48 m window, Ug = 1,0 W/(m²·K), warm-edge spacer, 102 mm visible profile width, 36 mm glazing unit.

Dimensions, weight, thermal, acoustic and security performance depend on the profiles, glazing, hardware and specific variant. Fire resistance and other special properties apply to appropriately tested configurations. All maximum values in the table cannot automatically be assigned to a single product.

Manufacturer's technical specifications