

ALUMINIUM WINDOWS

Reynaers EcoSystem 50

A compact aluminium window system with a 50 mm frame depth. Functional design and several insulation options allow project-specific selection. Thermal performance is assessed for the chosen specification.

* Performance depends on the selected structure and specification.

Product overview

Whole-window Uw	2,6 W/(m²·K)*
Air permeability	Class 4 (600Pa)
Watertightness	Class 9A (600Pa)
Resistance to wind load	Class C4 (1600Pa)
Sound insulation Rw (C; Ctr)	38(-1;-2) dB
Durability	Class 2 (10000 cycles)
Burglar resistance (depending on variant)	RC2
Minimum frame width (inward opening)	48 mm
Minimum sash width (inward opening)	30 mm
Minimum frame and sash width (inward opening)	86 mm
Minimum frame width (outward opening)	21 mm
Minimum sash width (outward opening)	73 mm
Minimum frame and sash width (outward opening)	99.5 mm
Frame depth	50 mm
Sash depth	59 mm
Frame and sash construction depth	50 mm
Glazing rebate height	22 mm
Minimum glazing thickness in sash	4 mm
Maximum glazing thickness in sash	32 mm
Maximum sash height	Up to 2200 mm*
Maximum sash weight	Up to 120 kg*

Specification

System	Reynaers Aluminium EcoSystem 50
Design variants	Functional
Insulation variants	Standard, High Insulation+
Optional features	Concealed hinges, concealed drainage, insect screen, balustrade
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, 92 mm visible profile width, 24 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.

Photographs show the manufacturer's systems and project examples. Manufacturer's technical specifications