

CE Classification of Characteristics – Windows



Rationel Vinduer A/S
Dalgas Allé 7
7400 Herning

Type: Rationel AURAPLUS windows
For use in dwellings and commercial buildings

	Fixed frame	Topguided	Sidehung	Window door	Fully reversible	Sideguided
Resistance to Wind load	Class 4C (1600Pa)	Class 4B (1600Pa)	Class 4C (1600Pa)	Class 4C (1600Pa)	Class 4C (1600Pa)	Class 4C (1600Pa)
Water tightness – Non shielded (A)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)
Water tightness – shielded (B)	npd	npd	npd	npd	npd	npd
Load bearing capacity of safety devices	npd	npd	npd	npd	350N/60s	npd
Acoustic Performance	See table below					
Thermal Transmittance	W/m ² K 0,70*	W/m ² K 0,79*	W/m ² K 0,79*	W/m ² K 0,79*	W/m ² K 0,79*	W/m ² K 0,79*
Radiation properties – Solar factor	0,51*	0,51*	0,51*	0,51*	0,51*	0,51*
Radiation properties – Light transmittance	0,72*	0,72*	0,72*	0,72*	0,72*	0,72*
Notes	*The values are calculated for a single sash window 1230 x 1480 with 4-20-4-20-4 standard argon glazing with warm edge spacer. The actual thermal transmission coefficient of the product is provided in quotations and order confirmations in accordance with DS/EN 14351-1 +A1:2010, Table E.2, Note d.					
Air tightness	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)
Resistance to repeated opening and closing	N/A	Class 3 (20.000)	Class 3 (20.000)	Class 3 (20.000)	Class 3 (20.000)	Class 3 (20.000)

Acoustic performance

All declared values are measured in topguided window width 1230mm x height 1480mm.

Glazing	R _w (C;C _t)	Rationel code
4-20-4-18-6 Energy/Clear/Energy WE with Argon	39 (-1;-6) dB	521102001
4-20-4-18-6,4 Toughened Energy/Clear/Laminated Energy WE with Argon	39 (-1;-6) dB	521122003
4-20-4-20-4 Energy/Clear/Energy WE with Argon	33 (-3;-5) dB	521102000
4-20-4-18-6,8 Toughened Energy/Clear/Laminated Energy WE with Argon	39 (-2;-7) dB	521122004
6-18-4-16-8,8 Toughened Energy/Clear/Laminated Sound Energy WE with Argon	41 (-1;-5) dB	521122110
4-18-4-18-8,8 Energy/Clear/Laminated Sound Energy WE with Argon	40 (0;-5) dB	521102010
6,8-16-4-16-8,8 Laminated Energy/Clear/Laminated Energy WE with Argon	42 (-1;-4) dB	521112310
4-18-4-16-9,5 Energy/Clear/Laminated Energy WE with Argon	39 (0;-4) dB	521102007