

## 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
<b>Resistance to Wind load</b>	Class 4C (1600Pa)	Class 4B (1600Pa)	Class 4C (1600Pa)	Class 4C (1600Pa)	Class 4C (1600Pa)	Class 4C (1600Pa)
<b>Water tightness – Non shielded (A)</b>	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)	Class 9A (600Pa)
<b>Water tightness – shielded (B)</b>	npd	npd	npd	npd	npd	npd
<b>Load bearing capacity of safety devices</b>	npd	npd	npd	npd	350N/60s	npd
<b>Acoustic Performance</b>	See table below					
<b>Thermal Transmittance</b>	W/m <sup>2</sup> K 0,70*	W/m <sup>2</sup> K 0,79*	W/m <sup>2</sup> K 0,79*	W/m <sup>2</sup> K 0,79*	W/m <sup>2</sup> K 0,79*	W/m <sup>2</sup> K 0,79*
<b>Radiation properties – Solar factor</b>	0,51*	0,51*	0,51*	0,51*	0,51*	0,51*
<b>Radiation properties – Light transmittance</b>	0,72*	0,72*	0,72*	0,72*	0,72*	0,72*
<b>Notes</b>	*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.					
<b>Air tightness</b>	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)	Class 4 (600Pa)
<b>Resistance to repeated opening and closing</b>	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 <sub>w</sub> (C;C <sub>t</sub> )	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