

# ecoHaus

## VELFAC® **rational**®

### Our contemporary style

Rational AURA and AURAPLUS



Top  
**Topguided window**

Bottom  
**Reversible windows**

This development used fully reversible windows with coloured opaque glass on the first floor.



Top  
**Side opening with fixed lights**

Bottom  
**Casement door**

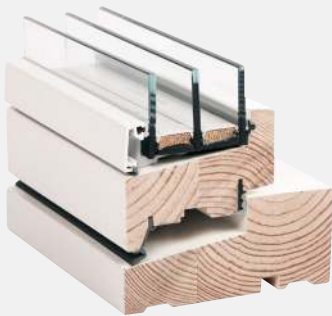
# Key features

## Rationel AURA and AURAPLUS

AURA and AURAPLUS come with security hardware as standard to meet Secured by Design requirements. The majority of timber originates from FSC®-certified forests. Read more at [rationel.co.uk](http://rationel.co.uk)

### Triple glazed

- 0.78 W/m<sup>2</sup> K U-value
- 42 dB Rw sound reduction



### Triple glazed

- 0.79 W/m<sup>2</sup> K U-value
- 42 dB Rw sound reduction



### Double glazed

- 1.29 W/m<sup>2</sup> K U-value
- 41 dB Rw sound reduction



### Double glazed

- 1.29 W/m<sup>2</sup> K U-value
- 40 dB Rw sound reduction



Top and bottom

#### Rationel AURA

- Timber frame
- 60-year life expectancy\*
- Available in more than 200 colours
- Best performance

Top and bottom

#### Rationel AURAPLUS

- Aluminium-clad timber frame
- Low-maintenance
- 83-year life expectancy\*
- Available in more than 200 colours
- Dual colour no extra charge
- Best performance

\*Dr Gillian Menzies, Institute for Building and Urban Design, Heriot-Watt University, Edinburgh

# Types and openings

## Windows

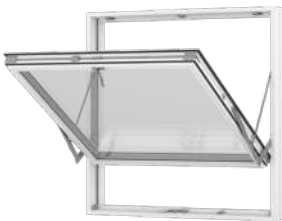
Hung, swung or guided: the drawings below show the range of styles available.  
Contact Rational for information on different style combinations.



### Topguided window

Elegant style that is suitable for all rooms. Simple, seamless opening function allows for effective ventilation when open, both above and below the sash. Clean look with no visible external hinges.

Min. width	Min. height	Max. width	Max. height
358mm	383mm	1,798mm	1,598mm



### Fully reversible window

Multi-functional style suitable for multi-storey buildings. Sash can be turned to clean the glass from the inside. Comes with a child-proof opening limiter.

Min. width	Min. height	Max. width	Max. height
553mm	548mm	1,598mm	1,598mm



### Fixed light

Simple style that allows for optimal views. Ideal when you need maximum internal light and solar heat. Can be fitted with trickle-vents for ventilation.

Min. width	Min. height	Max. width	Max. height
253mm	253mm	2,998mm	2,998mm

All maximum width and height measurements are subject to glass weight and specification.



### Side hung window

Simple, stylish design with a seamless opening function. On larger windows, the friction brake allows the window to be fixed in any open position. Suitable as escape windows.

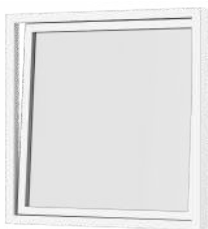
Min. width	Min. height	Max. width	Max. height
353mm	353mm	948mm	1,798mm



### Side guided window

Minimalist design that moves seamlessly, with no visible external hinges. When fully open the glass can be cleaned from the inside..

Min. width	Min. height	Max. width	Max. height
453mm	438mm	998mm	1,798mm



### Tilt and turn

Multi-functional style suitable for multi-storey buildings. Tilt function opens the top of the sash inwards for ventilation. Can be cleaned from the inside, and are perfectly suited as “escape windows” or emergency exits. **Available in AURAPLUS triple glazed only.**

Min. width	Min. height	Max. width	Max. height
478mm	438mm	1,298mm	2,400mm

All maximum width and height measurements are subject to glass weight and specification.

# Handles and accessories

Customise your windows and doors with different handles and accessories.

## Windows



1.

### Handle

Outward opening window and patio door



2.

### Handle

With lockable child safety lock



3.

### Handle

With child lock



4.

### Night vent position



5.

### Restrictor



6.

### Trickle vent

## Doors



7.

### Entrance door handle

With round rose key-key



8.

### Entrance door handle

With round rose key-thumb turn



9.

### Entrance door handle

With back plate key-key



10.

### Entrance door handle

With back plate key-thumb turn



11.

### Patio door handle

With key internal only



12.

### Sliding door finger pull



13.

### Sliding door handle



14.

### Normal letter plate



15.

### Secured by Design letter plate

# Standard colours

If you can't see the colour you want here, you can choose from the whole RAL classic colour chart.  
Non-standard colours may be subject to additional costs and lead times.  
Colours shown are indicative only.

