

rational[®]
WINDOWS & DOORS

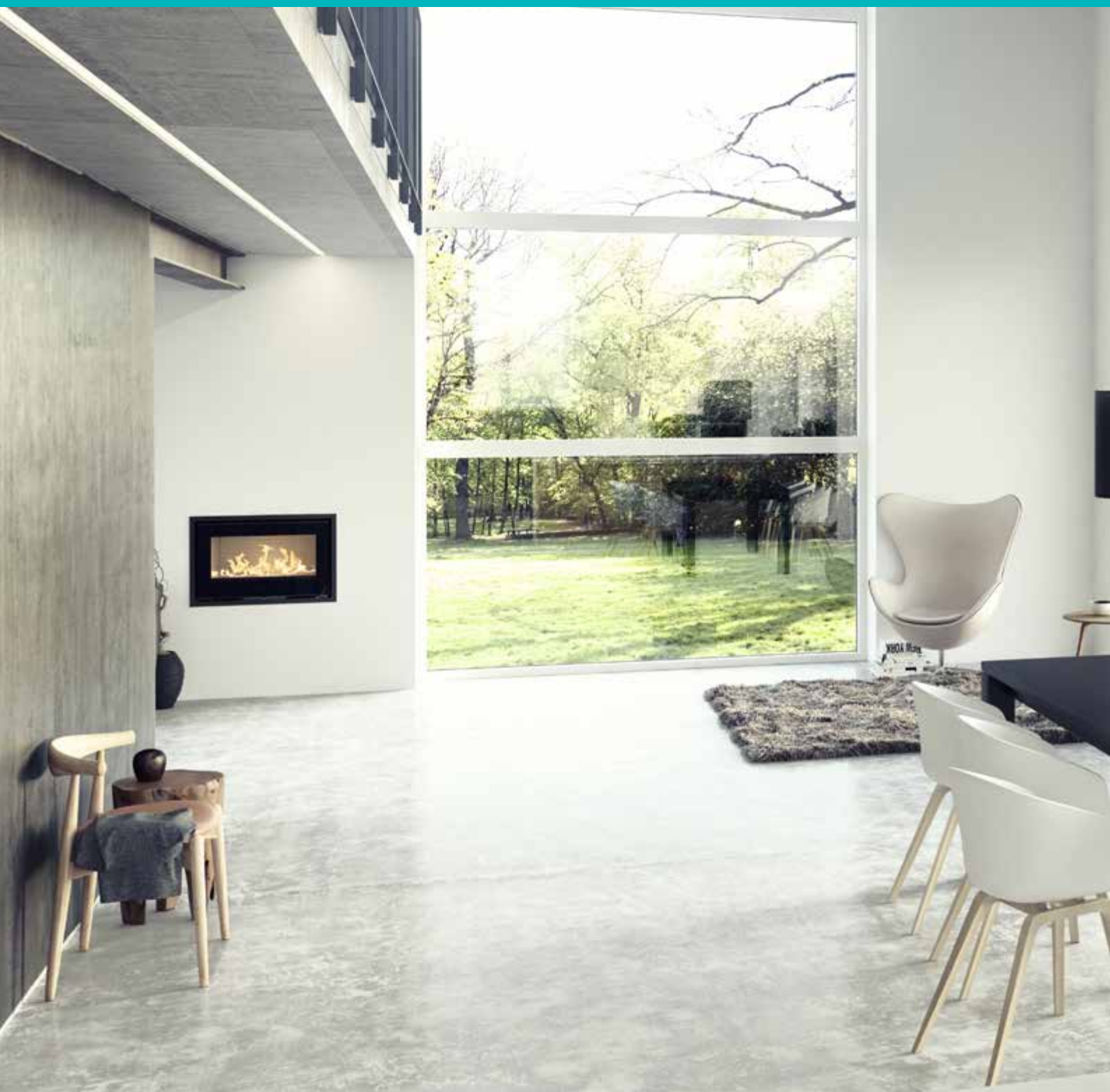
AURA & AURAPLUS

THE WINDOW CONCEPT
OF THE FUTURE



MODERN STYLE

RATIONEL AURA & AURAPLUS





AURA & AURAPLUS PRODUCT DETAILS

1



Two gaskets

2



Fully adjustable ironmongery

3



Option of trickle vent

4



Security ironmongery and
option of glazing bar (31 mm)

TIMBER & TIMBER/ALUMINIUM



Rationel AURA

Our 'energy-contributing' Rationel AURA windows offer the same excellent properties as Rationel AURAPLUS, but these windows are made entirely from timber. You can therefore combine a beautiful natural look with a clean contemporary design for modern buildings and Passiv Haus. Rationel AURA ensures that high levels of daylight and solar heat gain are achieved. This free heat is the best energy source available and also provides a healthy and comfortable indoor climate. These windows come with security ironmongery as standard, and are suitable for Passiv Haus buildings.

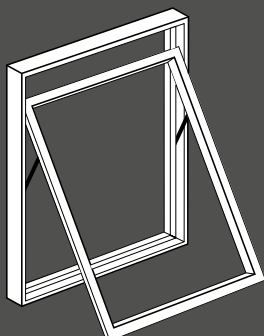


Rationel AURAPLUS

The design of AURAPLUS is slim and elegant, creating a stylish overall architectural appearance, whether you are building a new house or refurbishing an existing one. The slim design also allows maximum natural light into the home. Made from timber, with external aluminium cladding, Rationel AURAPLUS offers all the benefits of natural wood on the inside and easy maintenance on the outside. The range is available with security ironmongery as standard, and are suitable for Passiv Haus buildings.

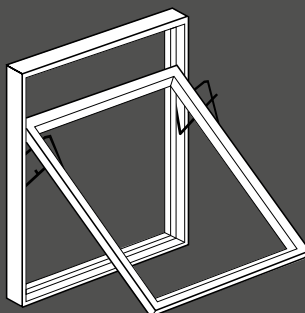
Rationel AURA & Rationel AURAPLUS come with security hardware as standard to meet SBD requirements. The vast majority of timber originates from FSC-certified forests. Read more at www.rationel.co.uk

OPENING TYPES



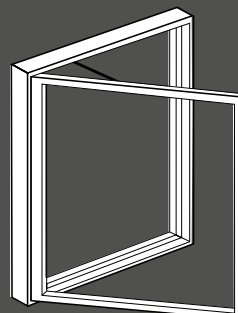
TOP
GUIDED

Top Guided windows are a simple, elegant and user-friendly design. Opening is controlled by tracks and slides. When opening the window the top of the sash slides downwards as the bottom of the sash opens outwards. Adjustable friction ironmongery allows an almost infinite choice of open positions.



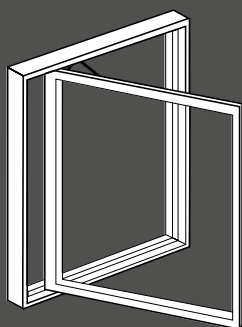
TOP
SWING

In everyday operation the fully reversible window functions as a Top Guided window. However it is possible to turn the sash through 170 degrees to clean the glass from the inside.



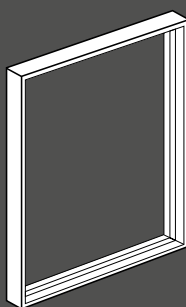
SIDE
HUNG

Side Hung windows are controlled with tracks and slides. On windows over 424 mm wide and 530mm high, the handle controlled friction brake allows the window to be fixed in any open position.



SIDE
GUIDED

Side Guided windows are controlled by tracks and slides that allow the window to be fixed in any open position. However, when opened, the hinge side of the sash moves toward the middle to create an opening that allows the glass to be cleaned from the inside.



FIXED
LIGHT

Fixed Light windows are ideal wherever maximum internal light and solar heat gain is required. Fixed Lights can be fitted with trickle vents for ventilation.

COLOURS

STANDARD RAL COLOURS

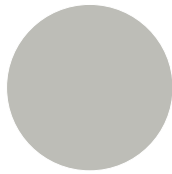
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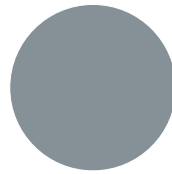
WHITE
RAL 9010



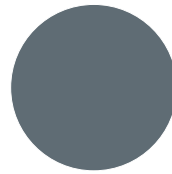
CREAM WHITE
RAL 9001



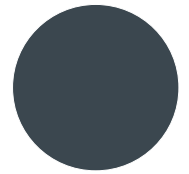
LIGHT GREY
RAL 7035



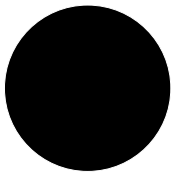
SILVER GREY
RAL 7001



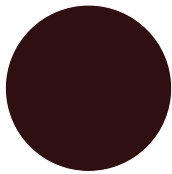
SLATE GREY
RAL 7015



ANTHRACITE GREY
RAL 7016



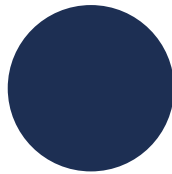
BLACK
RAL 9005



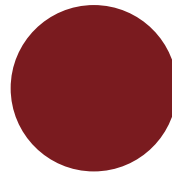
DARK BROWN
RAL 8017



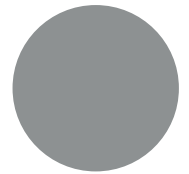
OLIVE GREEN
RAL 6003



NAVY BLUE
RAL 5013



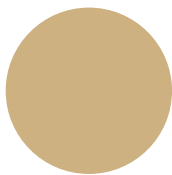
ROWANBERRY
RAL 3011



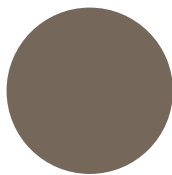
MID GREY
RAL 7042



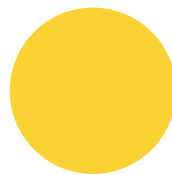
PEBBLE GREY
RAL 7032



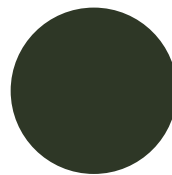
BEIGE
RAL 1001



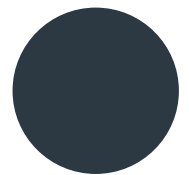
BEIGE GREY
RAL 7006



YELLOW
RAL 1018



DARK GREEN
RAL 6007



BLUE BLACK
RAL 5008

When choosing windows and doors from Rationel, it is possible to enhance the appearance and character of your house through your choice of colour. Our standard colours suit the majority of architectural styles and traditions in the United Kingdom. We also offer a special range of colours, which you can use to highlight particular features of your home.

STANDARD RAL COLOURS

Rationel AURA and Rationel AURAPLUS windows and doors are available in one standard colour on both the inside and outside of the frame. It is possible to have a split colour solution on Rationel AURAPLUS, where you are able to have a different colour on the outside to what you choose for the inside.

GRANITE COLOURS (AURAPLUS ONLY)

The colours shown cannot be reproduced exactly.



WHITE SAA10F
SABLE



GRIS 2150
SABLE



GRIS 2400
SABLE



GRIS 2900
SABLE



NOIR 2100
SABLE



NOIR 900
SABLE

TECHNICAL INFORMATION

- Minimum/maximum sizes
- Durability tests
- Sectional details

MINIMUM/MAXIMUM SIZES

OPENING FUNCTION	MINIMUM WIDTH	MINIMUM HEIGHT	MAXIMUM WIDTH	MAXIMUM HEIGHT
 TOP GUIDED	358 mm	388 mm	1798 mm	1598 mm
 SIDE HUNG	358 mm	358 mm	948 mm	1798 mm
 SIDE GUIDED	458mm	438 mm	998 mm	1598 mm
 TOP SWING	558 mm	548 mm	1598 mm	1598 mm
 FIXED LIGHT	250 mm	250 mm	2998 mm	2998 mm

DURABILITY TESTS

A series of test videos are available to view on the website



AIR PERMEABILITY
600PA



WIND RESISTANCE
1600PA



OPERATION
10.000 CYCLES

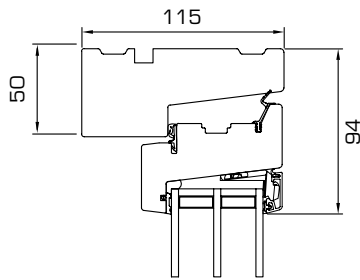


WATER TIGHTNESS
600PA

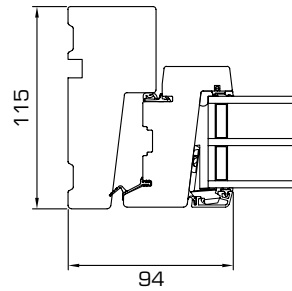
SECTIONAL DETAILS

AURA

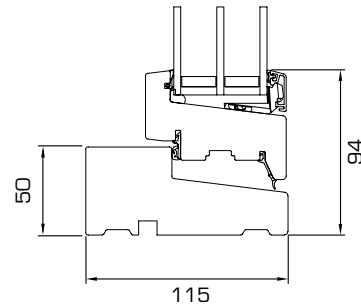
Download full set of drawings at www.rationel.co.uk



1 Vertical section head



2 Horizontal section jamb



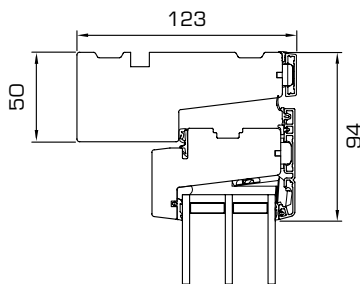
3 Vertical section sill

BEST PERFORMANCE

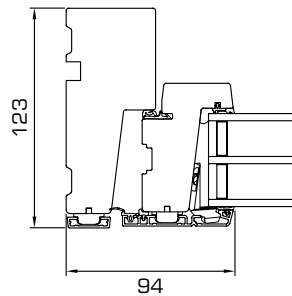
0,78	+20,8	42	60
U-VALUE W/m ² K <small>EU-SIZE</small>	WER kWh/m ²	SOUND REDUCTION dB Rw	LIFE EXPECTANCY YEARS

AURAPLUS

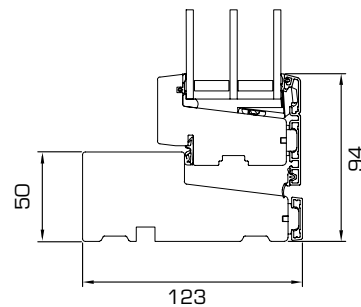
Download full set of drawings at www.rationel.co.uk



1 Vertical section head



2 Horizontal section jamb



3 Vertical section sill

BEST PERFORMANCE

0,79	+24,4	42	85
U-VALUE W/m ² K <small>EU-SIZE</small>	WER kWh/m ²	SOUND REDUCTION dB Rw	LIFE EXPECTANCY YEARS

Good, solid, quality workmanship has characterised Rational's windows and doors since the first products were shipped from our factory in Sdr. Felding in 1954. Based on this sound foundation, Rational is today an international company with sales offices in Great Britain, Ireland and Denmark.

Rational manufactures energy saving windows and doors of premium quality in terms of both comfort and security. Our continuous programme of research and development ensures that the company always meets current statutory requirements as well as market requirements for design and functionality.

Rational is part of the DOVISTA Group, which consists of ten leading door and window companies in Europe. DOVISTA A/S is owned by VKR Holding and employs approximately 13,500 people in more than 40 countries.

www.rational.co.uk



**WOOD. AT THE HEART
OF A GOOD WINDOW**

