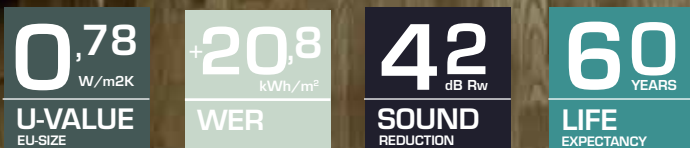


RATIONEL AURA & AURAPLUS

THE WINDOW CONCEPT OF THE FUTURE



BEST PERFORMANCE RATIONEL AURA



BEST PERFORMANCE RATIONEL AURAPLUS



RATIONEL AURA & RATIONEL AURAPLUS



RATIONEL AURA TIMBER

Our new '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 TIMBER/ ALUMINIUM

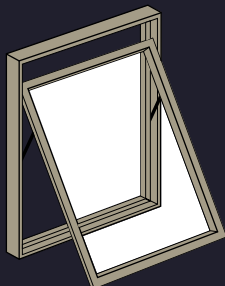
The design of AURAPLUS is slim and elegant, creating a stylish overall architectural appearance, whether you are building a new house or refurbishing an existing one. The slim design also allows maximum natural light into the home. Made from timber, with external aluminium cladding, Rationel AURAPLUS 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



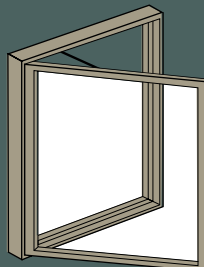


OPENING TYPES



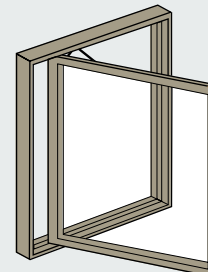
TOP GUIDED

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.



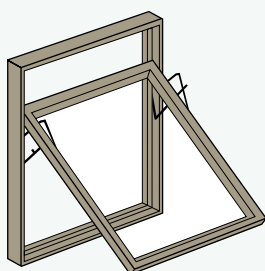
SIDE HUNG

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



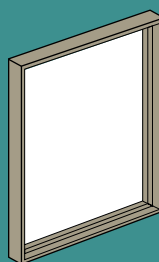
SIDE GUIDED

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.



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.



FIXED LIGHT

Fixed Light windows are ideal wherever maximum internal light and solar heat gain is required.

RATIONEL AURA & RATIONEL AURAPLUS

COLOURS

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.

STANDARD RAL COLOURS

The colours shown cannot be reproduced exactly

					
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

GRANITE COLOURS (RATIONEL 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

*Will be subject to additional leadtime

PRODUCT DETAILS



1.
Two gaskets



2.
Fully adjustable ironmongery



3.
Option of trickle vent



4.
Security ironmongery and option of
glazing bar (31 mm)

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
20.000 CYCLES

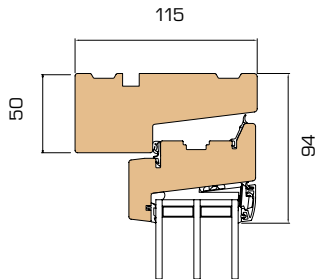


WATER TIGHTNESS
600PA

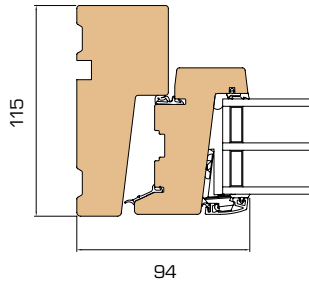
RATIONEL AURA

SECTIONAL DETAILS

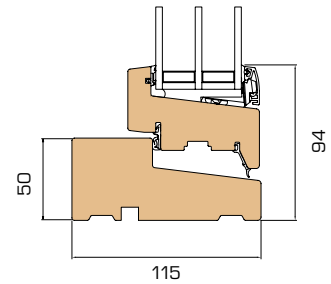
Download full set of drawings at www.rationel.co.uk



1 Vertical section head



2 Horizontal section jamb



3 Vertical section sill

BEST PERFORMANCE

0,78
W/m²K
U-VALUE
EU-SIZE

+20,8
kWh/m²
WER

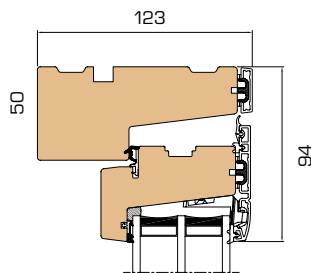
42
dB Rw
SOUND
REDUCTION

60
YEARS
LIFE
EXPECTANCY

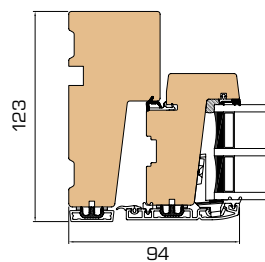
RATIONEL AURAPLUS

SECTIONAL DETAILS

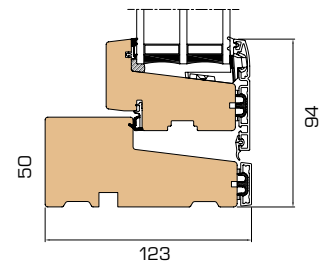
Download full set of drawings at www.rationel.co.uk



1 Vertical section head



2 Horizontal section jamb



3 Vertical section sill

BEST PERFORMANCE

0,79
W/m²K
U-VALUE
EU-SIZE

+24,4
kWh/m²
WER

42
dB Rw
SOUND
REDUCTION

85
YEARS
LIFE
EXPECTANCY

WINDOWS WITH VISION

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.

For further information about our wide range of windows and doors, for classic and modern buildings, please visit

www.rational.co.uk

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.



WOOD. AT THE HEART
OF A GOOD WINDOW



rational[®]
WINDOWS & DOORS