

**rational**<sup>®</sup>  
WINDOWS & DOORS

# DOMUS & ALDUS

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THE WINDOW CONCEPT WITH A  
STUNNINGLY MODERN APPEARANCE

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# MODERN DESIGN

DOMUS & ALDUS





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# ALDUS & DOMUS PRODUCT DETAILS

1



Option of glazing bar

2



Architectural designed handle

3



Option of trickle vent

4



Fully adjustable ironmongery

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# TIMBER & TIMBER/ALUMINIUM



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## Rationel DOMUS

DOMUS energy-efficient windows and doors are designed to reduce energy consumption thanks to their design and construction. Available with various options and opening/closing features, they are easy to join together and therefore suited to complex window solutions such as sun lounges, conservatories, bays, etc

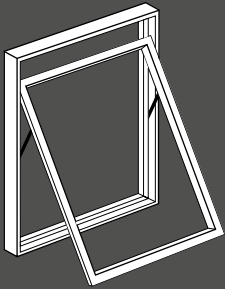


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## Rationel ALDUS

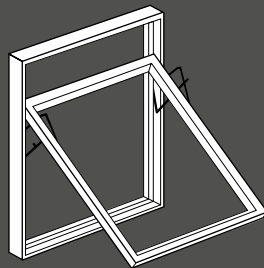
ALDUS windows and doors are suited to both new-build and refurbishment projects where a modern façade is required. Their energy efficient design can reduce energy consumption in the home and their external aluminium cladding makes ALDUS virtually maintenance-free. This range offers slightly improved energy efficiency over DOMUS.

# OPENING TYPES



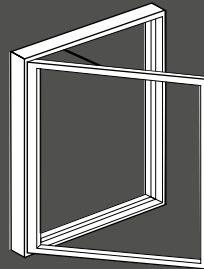
## TOP GUIDED

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.



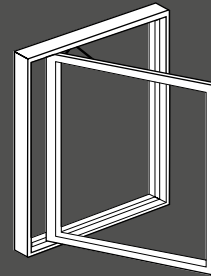
## TOP SWING

In everyday operation the fully reversible window functions as a Top Guided window. However it is possible to turn the sash through 180 degrees to clean the glass from the inside.



## SIDE HUNG

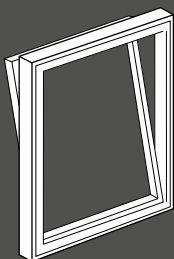
Side Hung windows are controlled with tracks and slides. On windows over 478mm wide and 588mm high, the handle controlled friction brake allows the window to be fixed in any open position.



## SIDE GUIDED

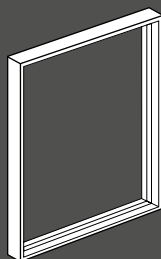
Side Guided windows are controlled by tracks and slides that allow the window to be fixed in any open position. However, when opened, the hinge side of the sash moves toward the middle to create an opening that allows the glass to be cleaned from the inside.

Windows over 743mm wide and 588mm high are fitted with an adjustable friction brake controlled by the handle.



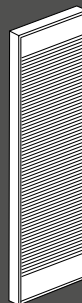
## TILT AND TURN

Tilt and Turn windows function in two ways. They are hinged from the side and open inwards or, for ventilation, the sash can be tilted in at the top. Tilt and Turn windows can 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.



## LOUVRED PANEL

This unit is based on a Side Light where the glass has been replaced with horizontal louvres externally and an insect screen internally.

Internally two insulated doors, one above the other, can be opened in order to control ventilation. Both doors have a friction brake to hold the doors open in any position.

# COLOURS

## STANDARD RAL COLOURS

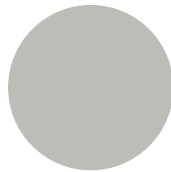
The colours shown cannot be reproduced exactly.



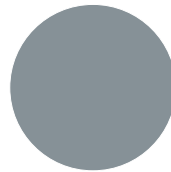
WHITE  
RAL 9010



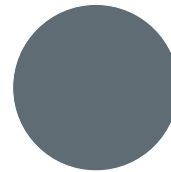
CREAM WHITE  
RAL 9001



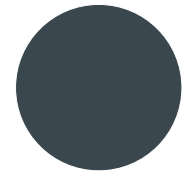
LIGHT GREY  
RAL 7035



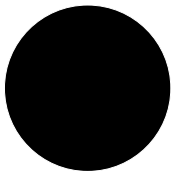
SILVER GREY  
RAL 7001



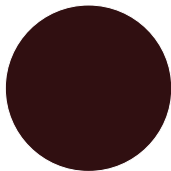
SLATE GREY  
RAL 7015



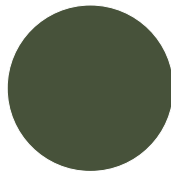
ANTHRACITE GREY  
RAL 7016



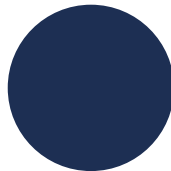
BLACK  
RAL 9005



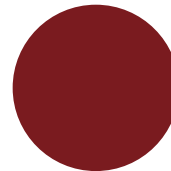
DARK BROWN  
RAL 8017



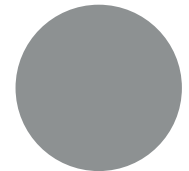
OLIVE GREEN  
RAL 6003



NAVY BLUE  
RAL 5013



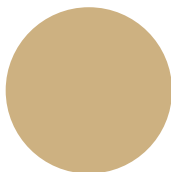
ROWANBERRY  
RAL 3011



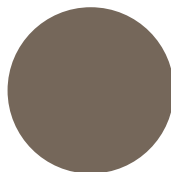
MID GREY  
RAL 7042



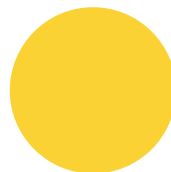
PEBBLE GREY  
RAL 7032



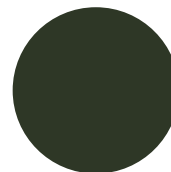
BEIGE  
RAL 1001



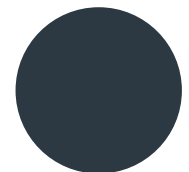
BEIGE GREY  
RAL 7006



YELLOW  
RAL 1018



DARK GREEN  
RAL 6007



BLUE BLACK  
RAL 5008



CLEAR LACQUER:  
(INTERNAL ONLY)

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 DOMUS & ALDUS windows and doors are available in one standard colour on both the inside and outside of the frame. It is also possible to have a split colour solution, where you are able to have a different colour on the outside to what you choose for the inside. Additional charges apply for split colours on the DOMUS range.

## GRANITE COLOURS (ALDUS 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





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# TECHNICAL INFORMATION

- Minimum/maximum sizes
- Durability tests
- Sectional details

# MINIMUM/MAXIMUM SIZES

OPENING FUNCTION	MINIMUM WIDTH	MINIMUM HEIGHT	MAXIMUM WIDTH	MAXIMUM HEIGHT	MAXIMUM WIDTH + HEIGHT
 TOP GUIDED	353 mm	538 mm	1608 mm	1588 mm	2876 mm
 SIDE HUNG	388 mm	353 mm	948 mm	1788 mm	2676 mm
 SIDE GUIDED	408 mm	353 mm	1188 mm	1788 mm	2676 mm
 TOP SWING	353 mm	488 mm	1608 mm	1588 mm	2876 mm
 TILT AND TURN	538 mm	588 mm	1488 mm	1833 mm	3276 mm
 FIXED LIGHT	228 mm	258 mm	3800 mm	3800 mm	4776 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**

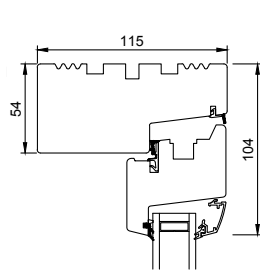


WATER TIGHTNESS  
**600PA**

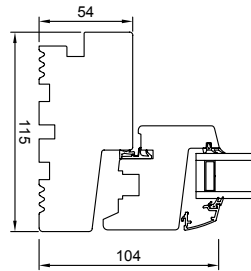
# SECTIONAL DETAILS

## DOMUS

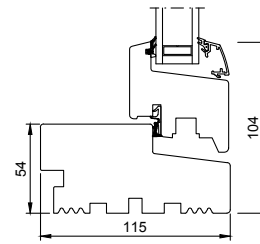
Download full set of drawings at [www.rationel.co.uk](http://www.rationel.co.uk)



1 Vertical section head



2 Horizontal section jamb



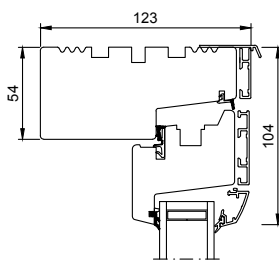
3 Vertical section sill

### BEST PERFORMANCE

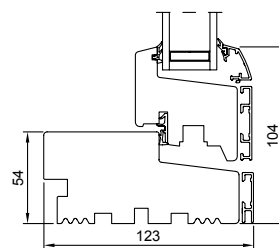
<b>1,32</b>	<b>-3,2</b>	<b>38</b>	<b>60</b>
U-VALUE W/m <sup>2</sup> K <small>EU-SIZE</small>	WER kWh/m <sup>2</sup>	SOUND REDUCTION dB R <sub>w</sub>	LIFE EXPECTANCY YEARS

## ALDUS

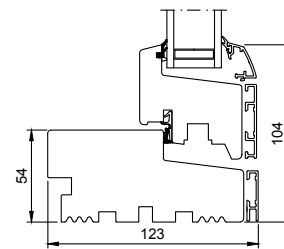
Download full set of drawings at [www.rationel.co.uk](http://www.rationel.co.uk)



1 Vertical section head



2 Horizontal section jamb



3 Vertical section sill

### BEST PERFORMANCE

<b>0,91</b>	<b>+24,4</b>	<b>38</b>	<b>85</b>
U-VALUE W/m <sup>2</sup> K <small>EU-SIZE</small>	WER kWh/m <sup>2</sup>	SOUND REDUCTION dB R <sub>w</sub>	LIFE EXPECTANCY YEARS

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

Rationel 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.

Rationel 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.rationel.co.uk](http://www.rationel.co.uk)



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

