

rational[®]

WINDOWS AND DOORS

RATIONEL DOMUS & ALDUS

THE WINDOW CONCEPT WITH A STUNNINGLY MODERN APPEARANCE



1,32
W/m²K

U-VALUE
EU-SIZE

BEST PERFORMANCE DOMUS

38
dB R_w

SOUND
REDUCTION

60
YEARS

LIFE
EXPECTANCY

0,91
W/m²K

U-VALUE
EU-SIZE

BEST PERFORMANCE ALDUS

38
dB R_w

SOUND
REDUCTION

85
YEARS

LIFE
EXPECTANCY

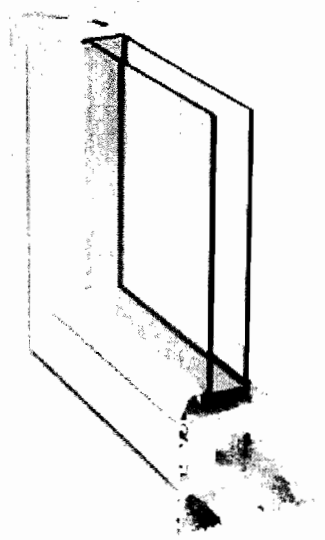
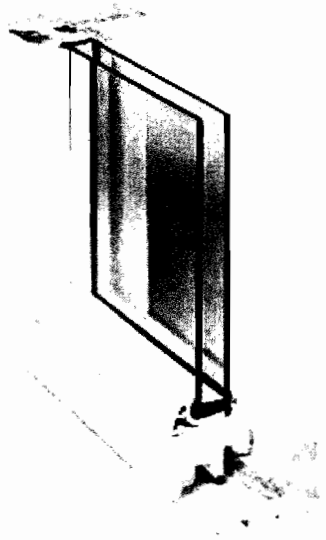
PROMISE OF QUALITY

rational

#01

WINDOWS AND DOORS





DOMUS TIMBER

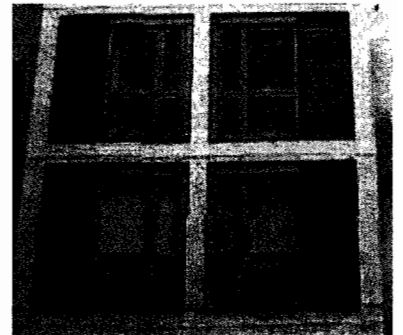
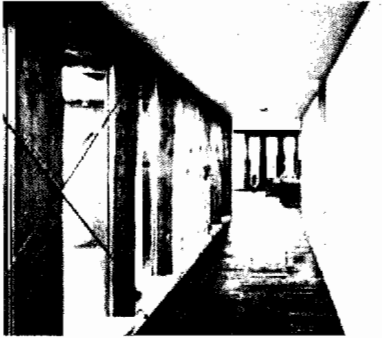
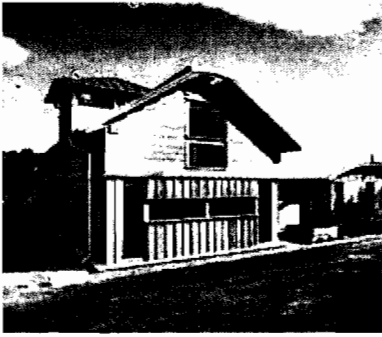
DOMUS energy-efficient windows and doors are designed to reduce energy consumption thanks to their design and construction. Available with various options and opening/closing features, they are easy to join together and therefore suited to complex window solutions such as sun lounges, conservatories,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

ALDUS TIMBER/ ALUMINIUM

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.

DOMUS & ALDUS are available with security hardware to meet SBD standards. The vast majority of timber originates from FSC-certified forests. Read more at www.rationel.co.uk





OPENING TYPES



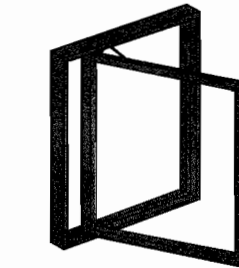
TOP GUIDED

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.



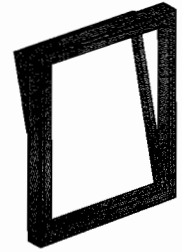
SIDE HUNG

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.



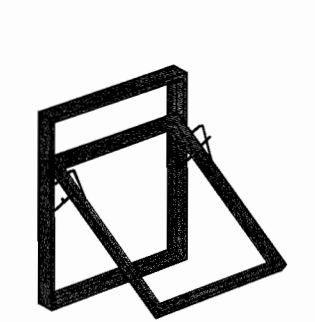
SIDE GUIDED

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.



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.



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.



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.

RATIONEL DOMUS & ALDUS COLOURS

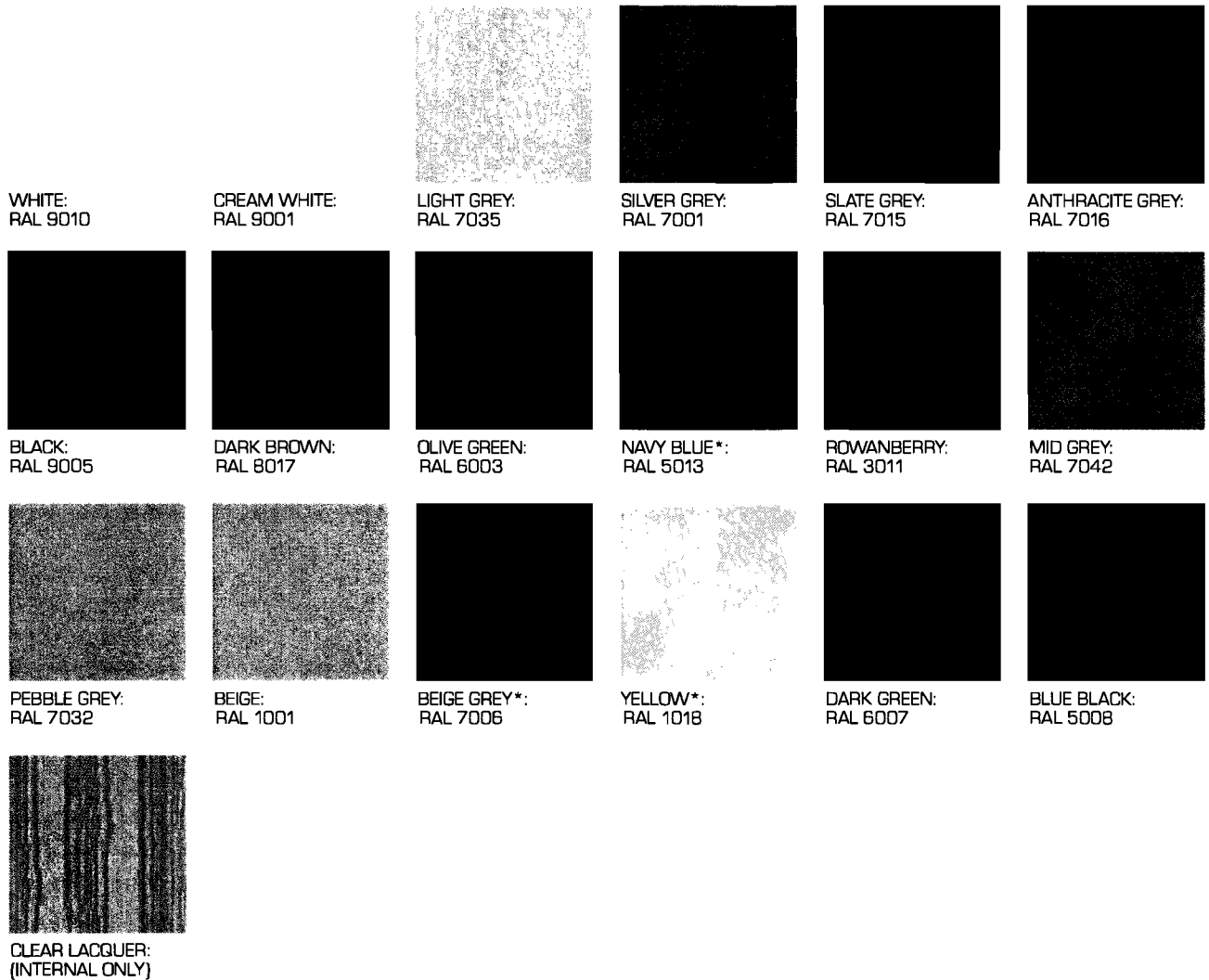
When choosing windows and doors from Rationel, it is possible to enhance the appearance and character of your house through your choice of colour. Our standard colours suit the majority of architectural styles and traditions in the United Kingdom. We also offer a special range of colours, which you can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

STANDARD RAL COLOURS

Rationel 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.

STANDARD RAL COLOURS

The colours shown cannot be reproduced exactly



GRANITE COLOURS (ALDUS ONLY)

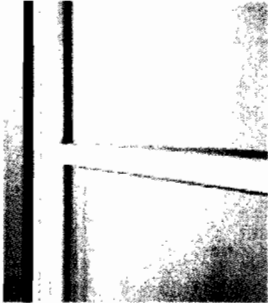
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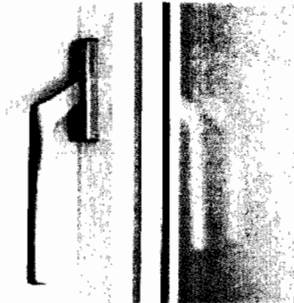
*Will be subject to additional leadtime

Rationel DOMUS & ALDUS

PRODUCT DETAILS



1.
Option of glazing bar



2.
Architectural designed handle



3.
Option of trickle vent



4.
Fully adjustable ironmongery

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

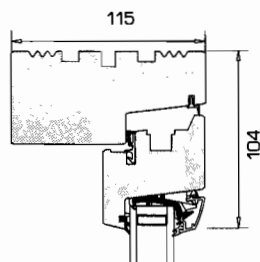


WATER TIGHTNESS
600PA

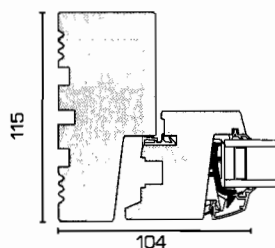
RATIONEL DOMUS

SECTIONAL DETAILS

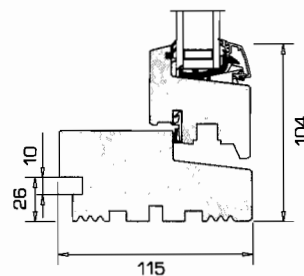
Download full set of drawings at www.rationel.co.uk



1 Vertical section head



2 Horizontal section jamb



3 Vertical section sill

BEST PERFORMANCE

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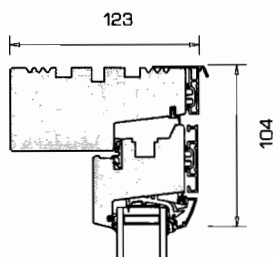
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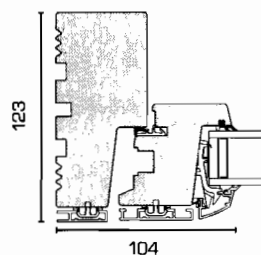
RATIONEL ALDUS

SECTIONAL DETAILS

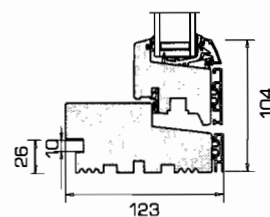
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WINDOWS WITH VISION

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. THE HEART OF THE HOUSE



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WINDOWS & DOORS