

Range 3001

Product information

The Vitrocsa 3001 range allows for sliding window surfaces of up to 6 m² with 26 mm double glazing.



SPECIFICATIONS

Rail + Frames

Embedded and concealed in the floor, wall and ceiling

Frame just 99.5mm wide (birails; monorail: 45 mm + 9.5 mm seal)

Saline treatment specially adapted for coastal projects

Vertical connection

18.5 mm

Reinforced for very windy locations or installation at high altitudes

Glazing

26 mm

Panel size up to 6 m²

Closure mechanism

Standard closure mechanisms (029, 035, 055)

Cylinder

Range of options for electric closure, Alarms

Configuration

Standard sliding elements (up to 6 m²)

Pivoting (up to 6 m²)

Guillotine (up to 6 m²)

Fixed (up to 9 m²)

Opening angle

Pocket

Motorisation

Mosquito net

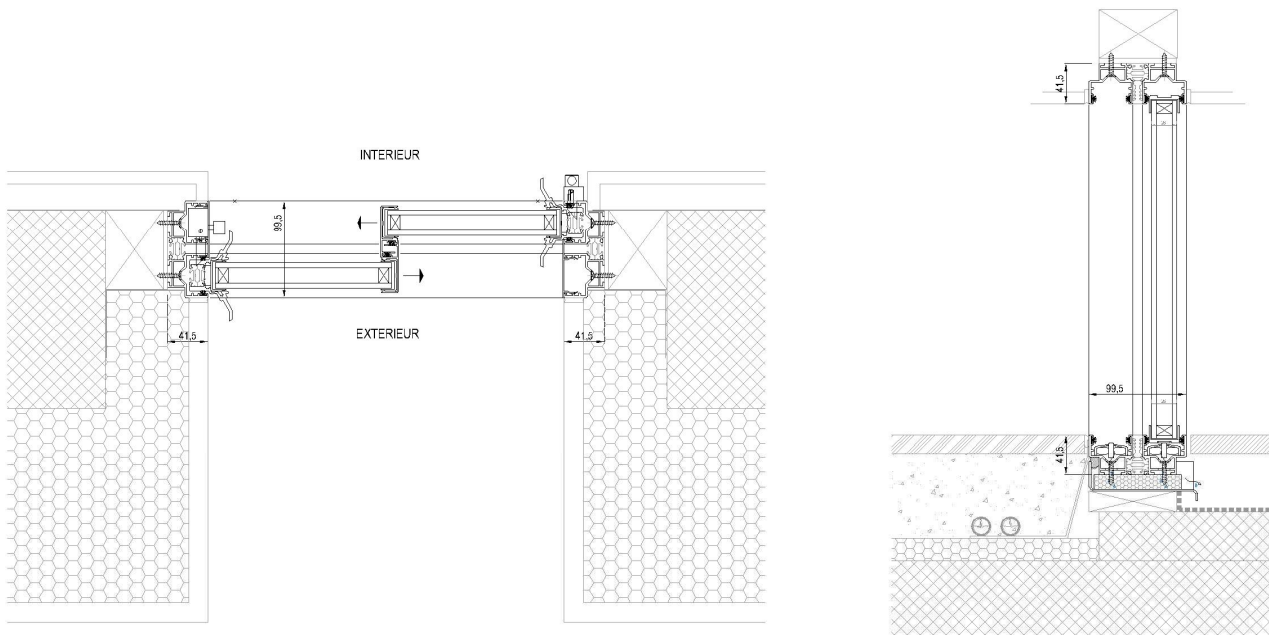
Finishes

Natural or coloured 25-micron anodised aluminium alloy, version with thermal varnish in a very wide range of colours

Drainage chamber

The frames drain vertically, with the rainwater being collected in a stainless steel chamber. This chamber is equipped with drainage foam to protect against the pressure of the wind. It also houses PVC support components which distribute the loads (weight of the glazing) across the concrete structure.

Main cross sections

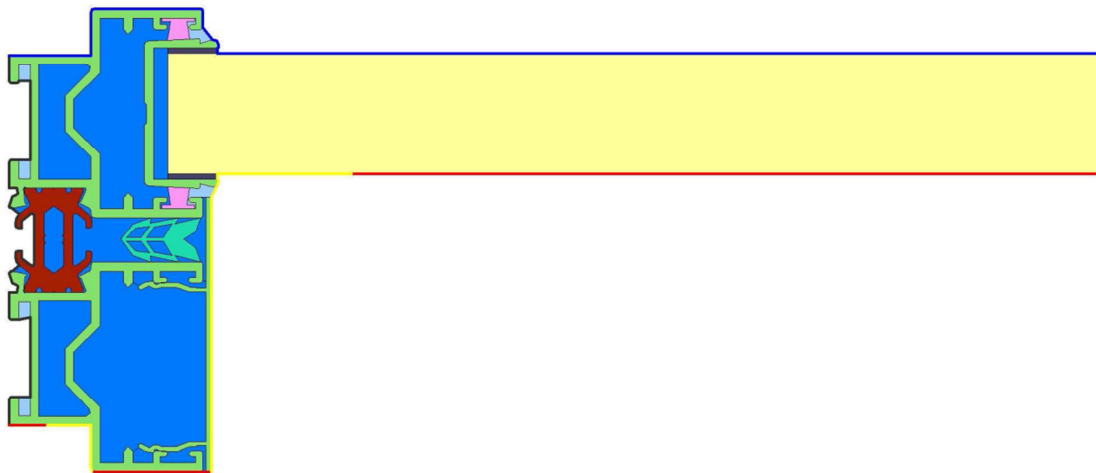


The first VITROCSA – 3001 window was developed at the start of the nineties. With the experience we now have, we can guarantee that this system presents no hidden defects. The roller mechanism and sealing system work perfectly, provided that the window has been assembled in line with good industry practices.

To clearly demonstrate the properties of the VITROCSA - 3001 window, we have conducted standardised tests in an accredited laboratory (SWISS TESTING SERVICE NUMBER STS 317). The results of the investigative tests are given in the table below:

Test type, approx. 2500/2500 mm 3001 fixed-sliding	Standards (test and classification)	Classification
Air permeability	EN 1026 (test) EN 12207 (classification)	Class 4
Water permeability	EN 1027 (test) EN 12208 (classification)	Class 7A
Repeated opening/closing	EN 1191 (test) EN 12400 (classification)	Class 3 (20,000 cycles)
Resistance to a vertical load	EN 14608 (test) EN 13115 (classification)	Class 3 (600 N)
Resistance to break-ins	EN 1628 to 1630 (test) EN 1630 (classification)	WK2 (resistance class 2)

Thermal cross section



Name	λ [W/(m·K)]	Name	q [W/m ²]	θ [°C]	h [W/(m ² ·K)]
Aluminium (Si-Legierungen)	160.000	Aussen Standard	-10.000	25.000	
EPDM (Ethylen Propylen Dien Monomer)	0.250	Innen Fensterrahmen Reduziert	20.000	5.000	
Leicht belüftete Hohlräume, Eps=0.9		Innen Fensterrahmen Standard	20.000	7.69231	
Maske	0.035	Symmetrie/Bauteilschnitt	0.000		
Polyamid 6.6 mit 25% Glasfaser verstärkt	0.300				
Polypropylen mit 25% Glasfasren verstärkt	0.250				
Rein-Silicon (1)	0.350				
Unbelüftete Hohlräume, Eps=0.9					