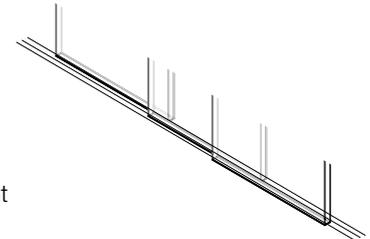


# TH+ RANGE INVISIBLE FRAME WITH TWO TRACKS

## PRODUCT INFORMATION

Using 32- or 44-mm-thick double or triple glazing, the Vitrocsa TH+ range with the invisible frame with two or several tracks allows for sliding glass surfaces of more than 20 m<sup>2</sup>, with no weight limit.

The excellent insulating properties of the profiles, in combination with the glass, meet current standards for low energy consumption.



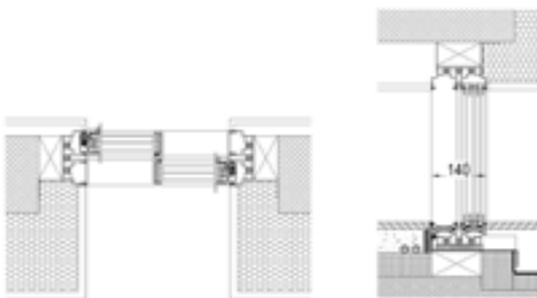
## RAILS + FRAMES

- Embedded and concealed in the floor, wall and ceiling
- Frame just 140 mm wide for a birail (mono: 64 mm + 12 mm seal)
- Saline treatment specially adapted for coastal projects

## VERTICAL CONNECTION

- 22 mm
- Reinforced for very windy locations or installation at high altitudes

## COUPES DE PRINCIPE



## OPTIONS

- Open angle
- Pocket
- Motorisation
- Mosquito net

## GLAZING

- 32 mm or 44 mm
- Panels up to over 20m<sup>2</sup>, depending on glass supplier

## CLOSURE MECHANISM

- 1-point closure button (029, 035, 055)
- Two-point closure button
- Cylinder
- Range of options for electric closure
- Alarms
- RC2 option

# TH+ RANGE INVISIBLE FRAME WITH TWO TRACKS

## PERFORMANCE

To clearly demonstrate the properties of the VITROCSA TH+ INVISIBLE FRAME WITH TWO TRACKS window, we have conducted standardised tests in an accredited laboratory (SWISS TESTING SERVICE NUMBER STS 317).

The results of these investigative tests are shown in the table below:

<b>TH+ fixed-sliding</b>	<b>Standards (test and classification)</b>	<b>Classification</b>
Air permeability	EN 1026 (test) EN 12207 (classification)	Class 3
Water permeability	EN 1027 (test) EN 12208 (classification)	Class 8A
Wind resistance	EN 12211 (test) EN 12210 (classification)	Class B5
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/RC2 (resistance class 2)

<b>TH+ fixed-sliding MINERGIE frame</b>	<b>Standards (test and classification)</b>	<b>Classification</b>
Air permeability	EN 1026 (test) EN 12207 (classification)	Class 4
Water permeability	EN 1027 (test) EN 12208 (classification)	Class 9A
Wind resistance	EN 12211 (test) EN 12210 (classification)	Class B3
Behaviour in different climates	EN 13420 (test)	There is no classification
Calculation of the Uw value and isotherm	EN ISO 10077-1, 2	Uw 0.97 W/(m <sup>2</sup> K)

<b>TH+ sliding-sliding</b>	<b>Standards (test and classification)</b>	<b>Classification</b>
Air-borne noise insulation (measured in the laboratory) Glass: vPh 5/0.76/5 - 16 - vF5 total thickness: 31.8 mm	EN ISO 10140 (2010)	36 dB