

EBE 85 AS



EBE 85 *AS* | abstract from the general catalogue

Secco Sistemi is an Italian trademark leader in the production of systems for doors, windows and facades in galvanized steel, stainless steel corten steel and brass. Every year, 2 million linear metres of profile bars are used to produce 200.000 doors and windows. Secco Sistemi boasts 60 years of experience and constant commitment dedicated to achieve high quality and innovation for their products.



# EBE 85 AS

this is an eco-friendly lift and slide door that combines living comfort to multiple-performance features and slenderness to large size



**EBE 85 AS** is a sliding door/window that can be fit with large glasses and fulfils the countless needs of the eco-friendly designs in a professional and guaranteed way.

**EBE 85 AS** offers excellent performances for higher living comfort. This is possible thanks to the combination of high-performing thermal-insulating features with outstanding air-permeability, water-proof, wind-load-resistance and acoustic-insulation features.

**EBE 85 AS** is available in two different solutions. It can be provided with overall 94 mm sections, or with 69 mm central sections, side and upper jambs.

Thanks to the choice of different materials offered by Secco Sistemi (galvanised steel, corten steel and brass), **EBE 85 AS** is the perfect tool for the designer wishing to interpret different architectural styles.

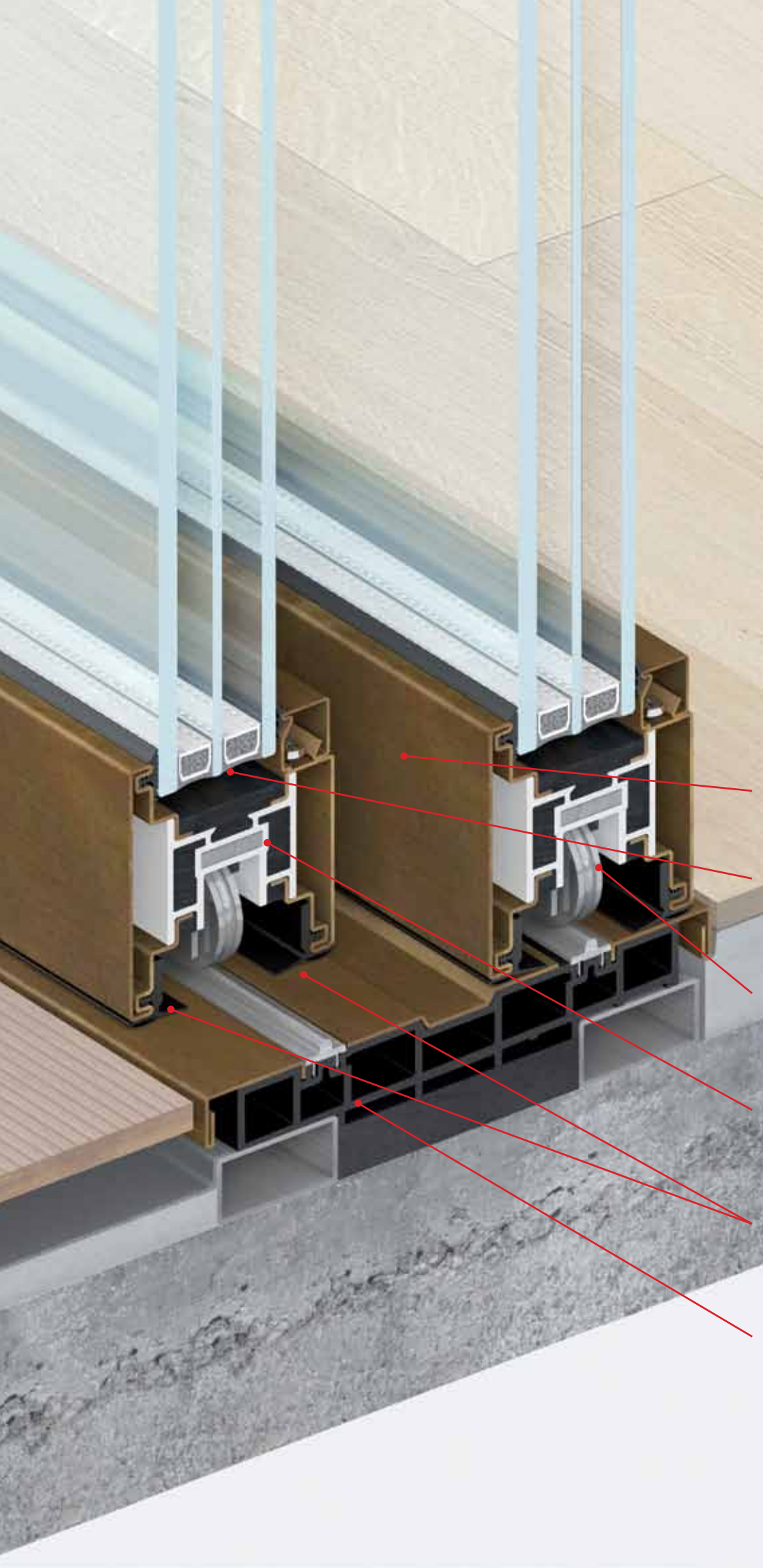
The system is completed by a full range of accessories including a concealed motorised solution, which is ideal for opening doors and windows weighing up to 400 kg.

	wind resistance <b>C3</b>
	water tightness <b>8A</b>
	acoustic performance <b>43 dB</b>
	thermal transmittance <b>up to 1,0 W/m<sup>2</sup>K</b>
	air permeability <b>4</b>



#### areas of application

- lift and slide



windows and doors with thermal break
facade and cladding
safe and fireproof windows and doors
steel windows and doors

same visible lines on four sides

fitting groove for glazing up to 54 mm thick

special groove for the allocation of wheels

structural thermal break in polyamide and polyurethane

double weather gasket

special shaped threshold for water evacuation

burnished brass version

# EBE 85 AS

Detached Villa | Szentendre (H)



Szentendre is a Hungarian town on the river Danube near Budapest at the feet of the Pilis hills. From the top of these hills one can enjoy a breathtaking view on the bigger island on the Danube. The town has slowly developed from holiday destination to a new residential area, with isolated buildings

surrounded by ample gardens. Although the majority of the buildings in the area have pitched roofs, the designer has built a detached villa with plain roof. The result is overall positive: the villa and the terraces perfectly fit in the natural sloping ground and in the surrounding landscape.



windows  
and doors with  
thermal break

facade  
and cladding

safe and fireproof  
windows  
and doors

steel  
windows  
and doors

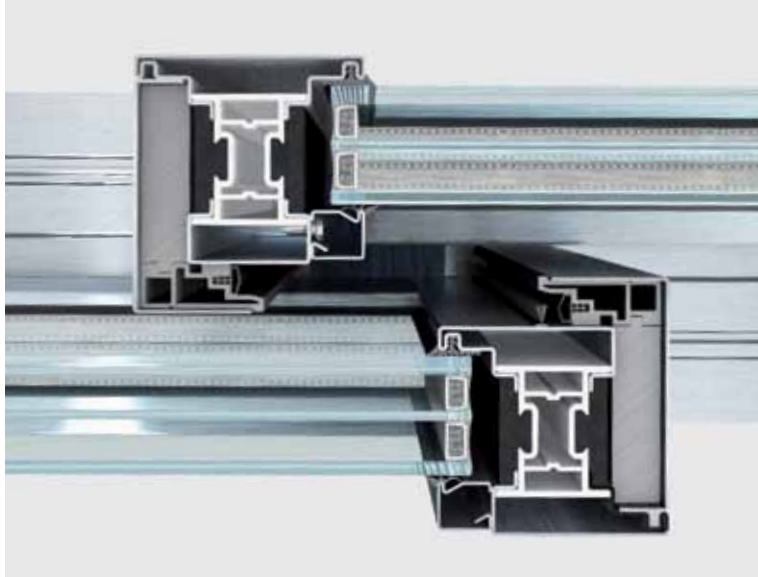


The sliding doors, the windows and the ample glasses have been realised with polished stainless steel **EBE 85 AS** profiles with thermal break, a system that makes it possible to work with large surfaces without compromising the performance standards.

An invisible barrier is therefore created between the garden and the house, a barrier that doesn't interfere with the spectacular view of the surrounding landscape. The polished finishing makes the villa unique.

# EBE 85 AS

## system and performance



**EBE 85** lift and slide doors is an integrated system with accessories, seals and thermal break profiles 85 mm deep. This makes it possible to realise lift and slide door and window frames with one to four wings of big dimensions and weight (up to 400 kgs.). They can be equipped with triple glazing up to 60 mm thick. The sealing of the lift and slide frame is guaranteed by a four-side double seal system. Each solution is equipped with a related set of concealing accessories integrated in the system. The performance of **EBE 85** lift and slide doors thermally insulated sliding system has been tested by the best European certifying labs under the reference standard EN 14351-1.

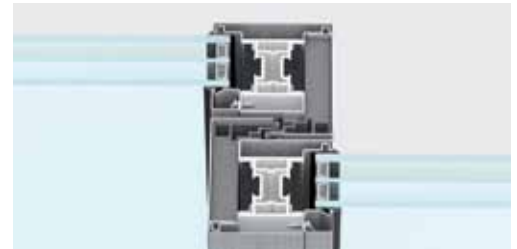
wind resistance - test pressure	3
wind resistance - frame bending	C
water tightness	8A
acoustic performance (with $R_w$ per IGU 52 dB)	43 (-1;-4) dB **
thermal transmittance (with $U_g$ glass 0,6 W/m <sup>2</sup> K)	1,1 W/m <sup>2</sup> K *
air permeability	4
break-in resistance	(WK)2

Ref: two-leaf **EBE 85** brass lift and slide door 3800x3000mm | \*calculation ref. EN ISO 10077/1 | \*\*Ref: single-leaf **EBE 85** brass lift and slide door with fix frame 4380x3000 mm

## size and variations



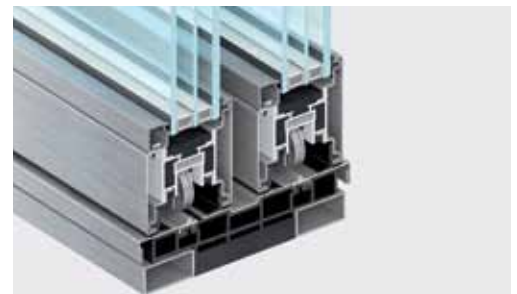
reduced central section | frame section 69mm



standard central section | frame section 94mm



floor rail with threshold | h 8 mm



floor rail with integrated threshold | h 20mm

**EBE 85** lift and slide doors is available with 69 or 94 mm frame sections. There are two solutions available for the threshold: with floor guide track or with guide track integrated in the frame with a drainage system.



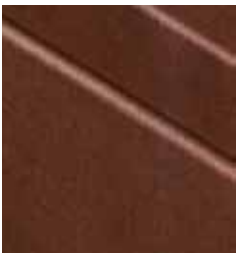
**materials**



galvanized steel



stainless steel



corten steel



brass

EBE 85 is available in galvanized steel - in a wide range of colours and superficial finishes - in AISI 304 brushed stainless steel, in AISI 316L polished or Scotch-Brite stainless steel, corten steel and in brass (OT67 copper alloy).

**glazing bead**



rectangular



gothic



thin

Rectangular, gothic, thin (L shaped): the wide range of glazing beads allows for different internal frame look according to architectural needs.

**handles**



stainless steel handle for lift and slide doors  
h.280 | d.20 mm



brass handle for lift and slide doors  
h.250 | w.25 mm

Stainless steel handle available in satin or scotch-brite finishing. Brass handle available in paintable untreated, burnished, polished or polished chrome finishing. The system allows for different handles to be fitted.

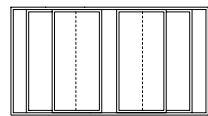
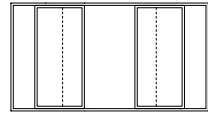
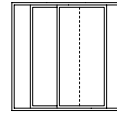
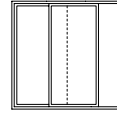
**accessories**



concealed integrated motorisation

The integrated automated system for sliding doors can be fitted with door-leaves up to 400 kgs heavy.

**main type**



Single or two-leaf lift and slide doors can be realised with or without.

**Custom solutions are available in co-operation with Secco Sistemi technical office.**

leaf size limitations  
w.2208 | h.2907  
weight limitations  
400 kg.

windows and doors with thermal break

facade and cladding

safe and fireproof windows and doors

steel windows and doors

# EBE 85 AS

Le Vedute Residence | Orciano Pisano (PI)



This village is set on the hills near Pisa, few kilometres away from the sea and set in a breathtaking landscape, characterised by natural terraces with isolated houses, rows of cypresses, groups of pine-trees and traced by the white tracks of the dirt roads. In this delicate and unique landscape,

the designers had a challenging time in building a residential complex of 14 villas. The result, however, was positive: the houses are almost set in the folds of the ground, which is traced with ditches and walls made of dry stone, and the landscape literally bursts into the houses through their big glass walls.



windows  
and doors with  
thermal break

facade  
and cladding

safe and fireproof  
windows  
and doors

steel  
windows  
and doors

The sturdiness of the **EBE 85 AS** profiles in painted steel and their low volume have allowed for big sliding windows. These have created a division between indoor and outdoor without interfering with the

view on the beautiful surrounding landscape. The use of steel, moreover, has allowed for lower maintenance costs while guaranteeing the required safety standards.



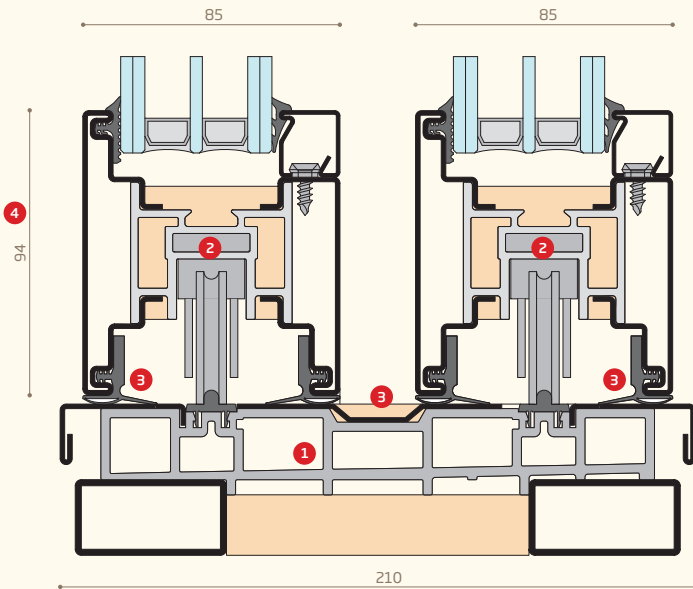
# designing together

the Secco Sistemi  
team works with  
the designer,  
with enthusiasm  
and competence,  
looking for  
the right solution.  
Its work is our  
main strength

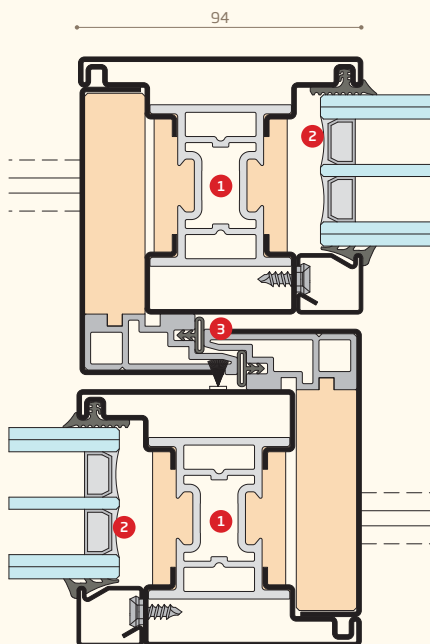
- alongside those who design  
to shape solutions that are  
customised and tailored;
- alongside those who design  
to support the development  
of the technical-operational  
process and the cost estimates
- alongside those who design  
to provide consultancy  
and constant update  
on the current regulations
- alongside those who design  
to identify the most suitable  
window and door frames provider  
to carry out the project
- alongside those who design  
to assist to the entire project  
development and final work,  
from the manufacturing  
to the final set-up

# EBE 85 AS

## main sections

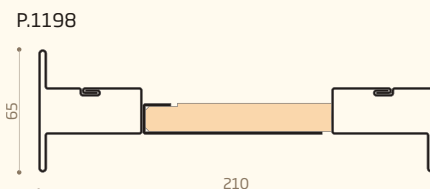
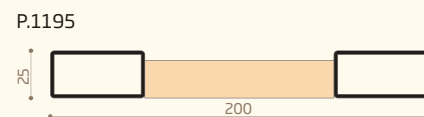
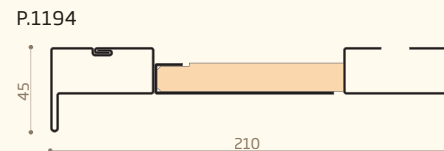
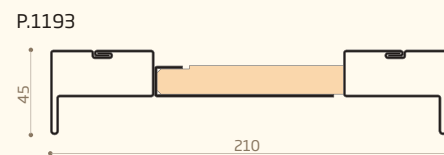
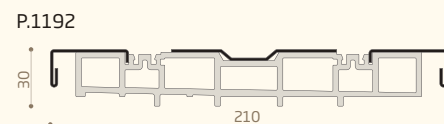
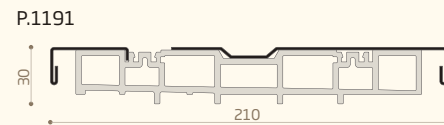
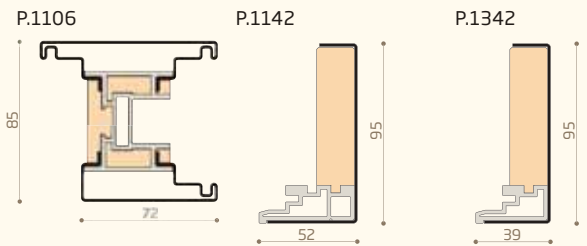
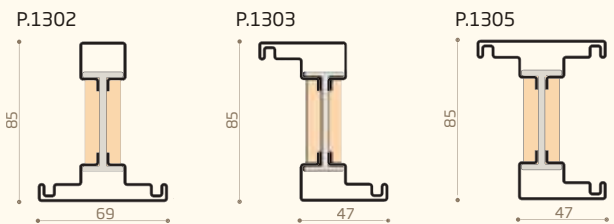
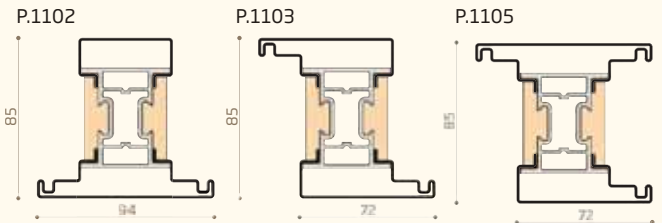


1. special shaped threshold for water evacuation
2. special groove for the allocation of wheels
3. double weather gasket
4. same visible lines on four sides

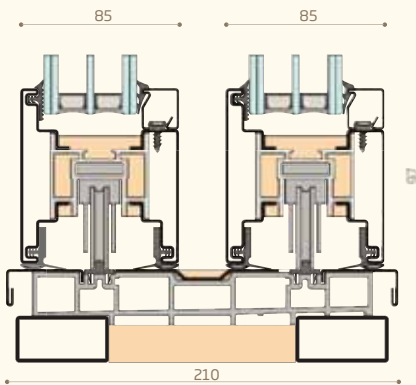
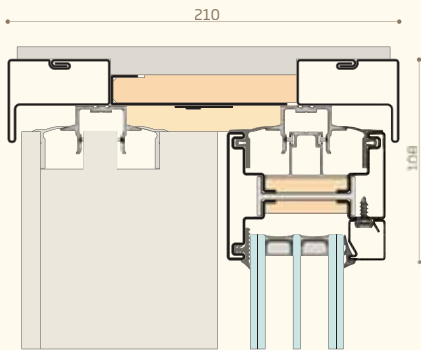
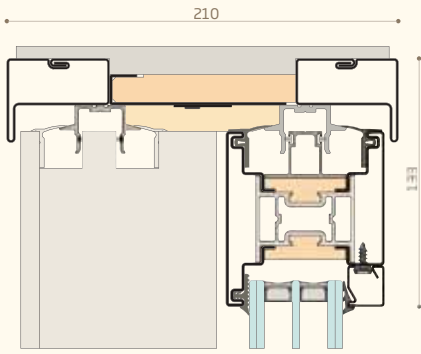


1. Structural thermal break in polyamide and polyurethane
2. fitting groove for glazing up to 60 mm thick
3. Two levels of gasket and one brush

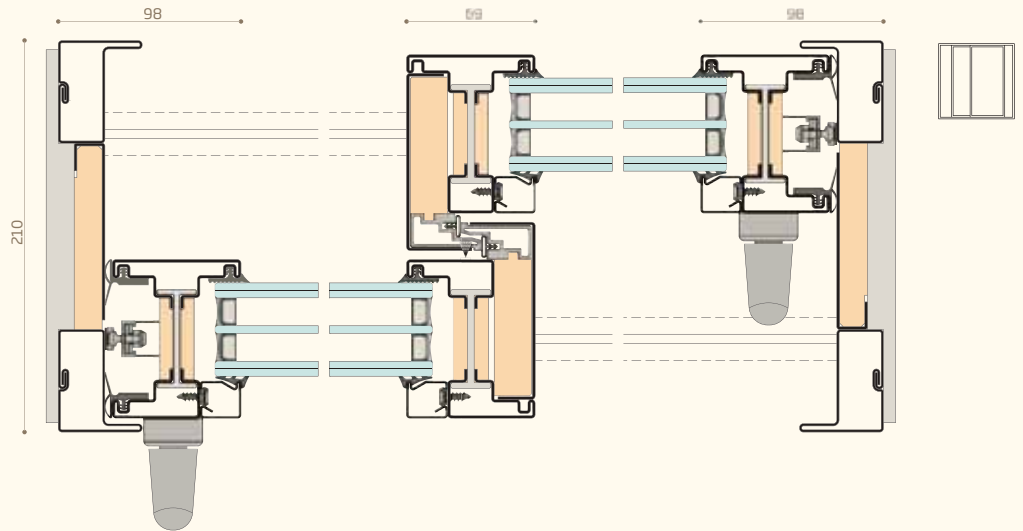
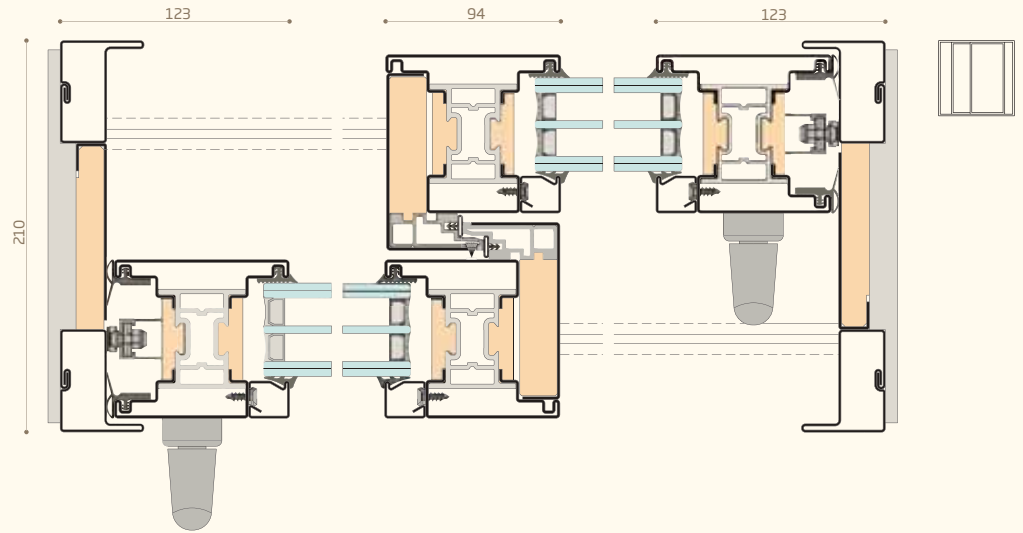
## profiles



vertical section



horizontal section



# products comparison

p.30

## OS2



p.56

## EBE 65



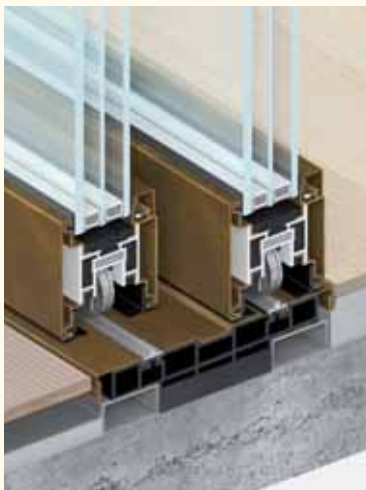
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## EBE 85



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## EBE 85 AS



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## EBE Style



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## ML





p.100, p.108

termica e  
termica UP



p.114

infinities HT



p.120

AF



p.130

blindacciaio



p.136

sistemacciaio

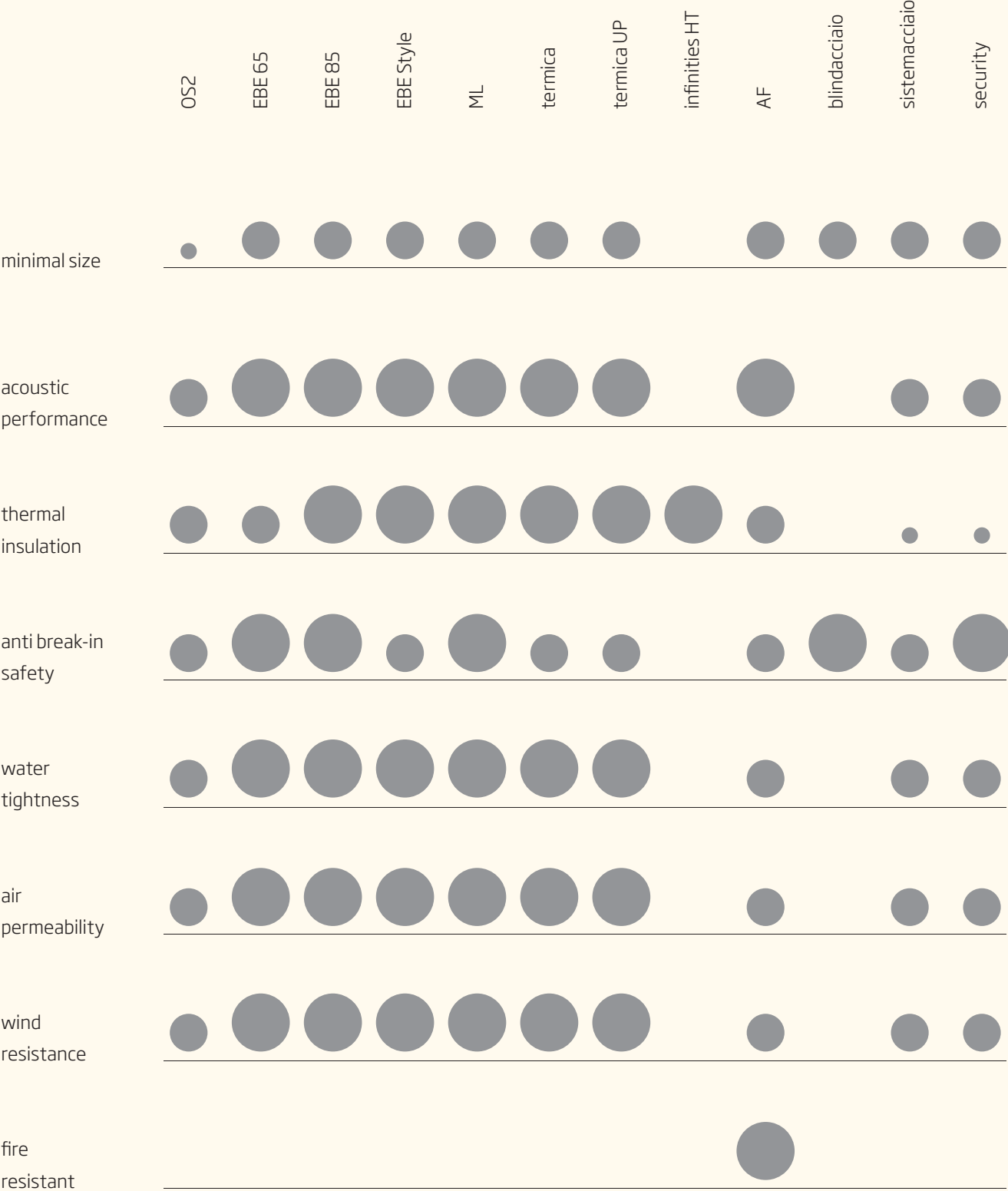


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security



# products comparison: performance, heat flow, safety and face dimension



# products comparison: design options

	OS2	EBE 65	EBE 85	EBE Style	ML	termica	termica UP	infinities HT	AF	blindacciaio	sistemacciaio	security
galvanized steel	●	●	●		●	●	●	●	●	●	●	●
stainless steel		●	●		●	●	●	●	●		●	
corten steel	●	●	●		●	●	●	●	●		●	
brass	●	●	●	●	●	●	●	●			●	
flush door/window		●	●	●					●	●	●	●
rebated door/window	●	●	●	●	●						●	●
concealed sashes			●									
concealed hinges for windows		●	●	●	●						●	●
concealed hinges for doors		●	●	●							●	●
concealed door closer			●	●							●	●

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**secco**