

LEONARDO
STEEL & ALUMINUM

EBE 85 AS

Steel, Corten, Bronze



EBE 85 AS

areas of application
 • lift and slide

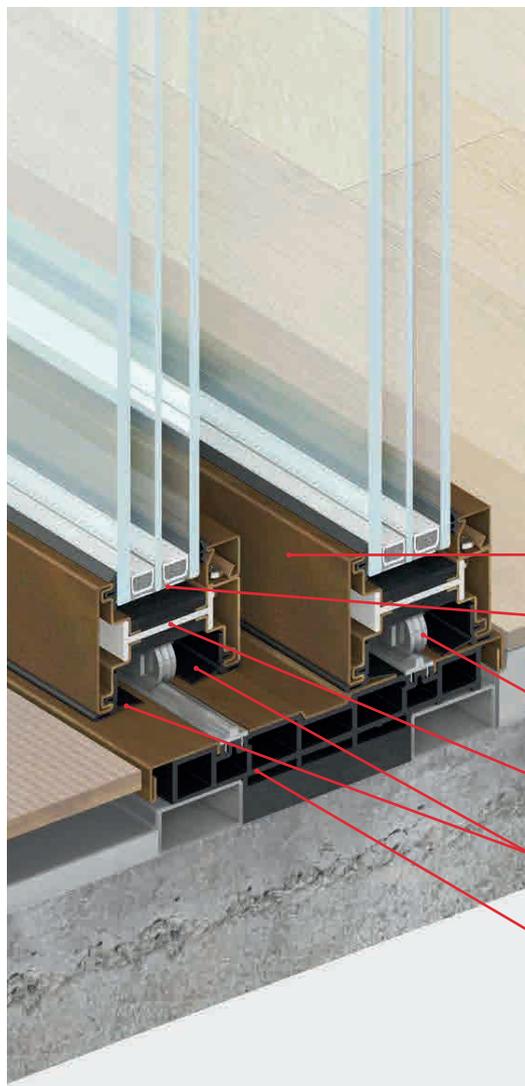
excellent performance of EBE 85 AS in the version of sliding doors, also of large dimensions, with sill flush-mounted with the flooring

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

EBE 85 has evolved with the AS system, which creates large, sliding glass curtain walls in which the sashes of great dimensions and weight can alternate with the fixed glass panels: functionality and aesthetic elegance combine in this casing which becomes an avant-garde technical element as well as a sophisticated component making up part of the façade and the interior furnishings. In fact this versatile and flexible system maintains the excellent high-performing characteristics of the EBE 85 system and lends itself to the interpreting and creation of the most innovative projects in contemporary architecture.

The profile combines thermal insulation and high values in permeability to air, in water-tightness, in resistance to wind load and in sound insulation.

EBE 85 AS can have exposed sections of just 69 mm, continuous for the whole perimeter of the casing, and can be motor-powered for up to three sliding components. The performance of the EBE thermal break system has been tested by the best European certifying laboratories in compliance with the current specific standard EN 14351-1 regulations.



- same visible lines on four sides
- fitting groove for glazing up to 60 mm thick
- special groove for the allocation of wheels
- structural thermal break in polyamide and polyurethane
- double weather gasket
- special shaped threshold for water run-off
- burnished brass version



EBE 85 AS

system and performance



EBE 85 AS 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 600 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 AS thermally insulated sliding system has been tested by the best European certifying labs under the reference standard EN 14353-1.

wind resistance - test pressure	3
wind resistance - frame bending	C
water tightness	8A
acoustic performance (with Rw per IGU 52 dB)	43 (-1;-4) dB **
thermal transmittance (with Ug glass 0.6 W/m ² K)	1,12 W/m ² K *
air permeability	4
break-in resistance	(RC)2

Ref: two-sash EBE 85 brass lift and slide door 3800x3000mm * calculation ref. EN ISO 10077-1 | **Ref: single-sash EBE 85 brass lift and slide door with fix frame 4390x3000 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 AS 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



galvanised steel



stainless steel



corten steel



brass

EBE 85 AS is available in galvanised steel - in a wide range of colours and surface 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 wider range of glazing beads allows for different internal frame looks 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



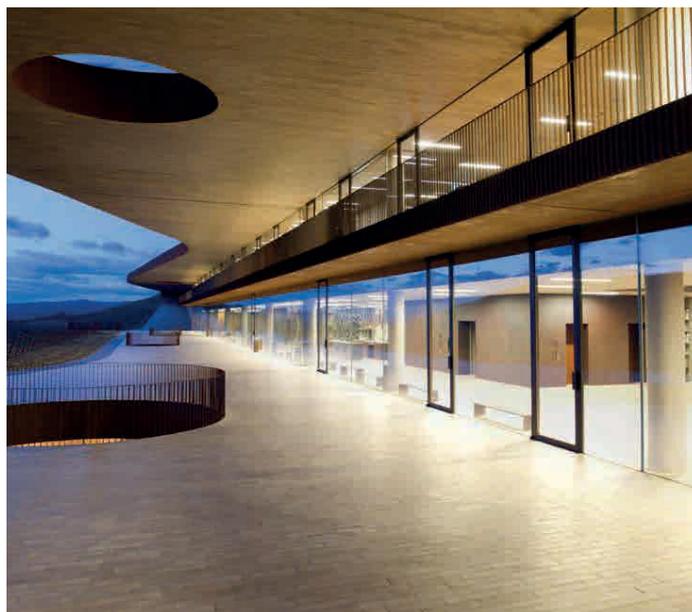
concealed integrated motorisation

The integrated automated system for sliding doors can be fitted with door-sashes up to 600 kgs heavy.

main type



Single or two-sash lift and slide doors can be created with or without lateral fixed panel sections. Custom solutions are available in co-operation with Secco Sistemi technical office. sash size limitations w. 2208 | h. 3400 weight limitations 600 kg.



Halfway between Florence and Siena, in the midst of the charming surroundings of the Classic Chianti area, Cantina Antinori is as much a successful experiment as one abounding in images of an industrial plant that is deeply attached to its environment and its rural traditions. This close symbiosis is expressed through an almost completely underground operation

that re-shapes the slope of the hill, resulting in a stretch of vineyard that extends for almost 45.000 square metres. This vineyard covering is marked by two horizontal cuts that frame the landscape and through openings channel the light down towards the heart of the wine-cellar where the wine ages in the darkness of the terracotta vaults in natural and optimum thermal-hygrometric conditions.

Several circular openings give onto a series of inner courtyards. Transparency and wide-ranging experience and knowledge are guaranteed also to the visitor who walking up from the parking place discovers the areas dedicated to production, exposition and services: from the oil-press to the area reserved for fine dessert wine, the

restaurant, and on up to the level which hosts the auditorium, the museum, the library and the tasting rooms. Mindful of the engineering challenges while still with extreme attention to the environment, the spaces and the large glazed doors which give shape to the transparent surfaces are all realized with the EBE 85 system in corten steel.