



EBE 65

- areas of application
- doors
 - windows

EBE thermal break system, depth 65 mm for glass panels of up to 46 mm, rebated in the interior and flush on the exterior between sash and frame



In the EBE group all the systems are flexible and complete, with slim, strong thermal break profiles. The thermal break profiles of the EBE 65 system have a depth of 65 mm and can house insulation glazing of up to 46 mm. sash and frame are rebated in the interior and flush-mounted externally. EBE 65 belongs to the group of EBE profiles and represents Secco Sistemi's answer to the highest performance requirements. With the innovative technology of the thermal break in polyamide and polyurethane, EBE realizes strong and high-performing structural profiles with reduced sections. The sealing of the casings is guaranteed by a double sealing system for the doors and by an open joint gasket system that comprises a 3-level sealing gasket for windows. Moreover, thanks to the wide choice of types of opening and to the complete range of accessories, the EBE profiles propose countless possible variations for the casing design. 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.



EBE 65 window

system and performance



EBE 65 window is an integrated system with accessories, seals and thermal break profiles 65 or 73.5mm deep allowing for a wide range of windows, rectangular, shaped or curved. They can be equipped with insulating glass up to 46 mm thick. Each solution is equipped with a related set of accessories (also concealed) integrated in the system.



The sealing of the window frames is guaranteed by a three-level sealing weep system. The performance of EBE 65 thermally insulated system has been tested by the best European certifying labs under the reference standards EN 14351-1.

wind resistance - test pressure	5
wind resistance - frame bending	C
water tightness	9A
acoustic performance (with Rw per IGU 45 dB)	47 (-2-5) dB**
thermal transmittance (with Ug glass 1.0 W/m ² K)	1,47 W/m ² K**
air permeability	4
break-in resistance	(RC)3

ref: single-sash stainless steel 1200x400mm window | ** calculation ref. EN ISO 10077/1
*ref: single-sash galvanised steel 1230x1480mm window

size and variations



lower / lateral section | frame section 85mm



double-sash window central section | frame section 145mm

EBE 65 window is rebated on the interior and flush on the exterior.

materials



galvanised steel



stainless steel



corten steel



brass

EBE 65 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 wide range of glazing beads allows for different internal frame looks according to architectural needs.

handles



truncated vitruvio TT handle
h.116 | d.15 mm



square vitruvio TT handle
h.116 | d.15 mm



stainless steel 5006 TT handle
h.135 | d.20 mm

The TT Vitruvio handles come in paintable raw brass, burnished brass, polished chrome brass and polished brass. The square version is also available in corten steel. The system is compatible with many other handle types on the market, spindle no. 2.

hinges



TT standard
h.85 | d.15 mm



TT stainless steel
h.85 | d.15 mm



TT concealed

Standard three-wing hinges are adjustable and supplied in galvanised steel and coloured plastic cover. Stainless steel hinges are available in polished, Scotch-Brite or burnished finishing.

main type



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

EBE 65 door

system and performance



EBE 65 door is an integrated system with accessories, seals and thermal break profiles 65 mm deep allowing for a wide range of windows, rectangular, shaped or curved. They can be equipped with triple glazing up to 40 mm thick.



The sealing of the door frames is guaranteed by a three-side rebate double seal system and an automatic retractable seal. Each solution is equipped with a related set of accessories (also concealed) integrated in the system. The performance of EBE 65 thermally insulated system has been tested by the best European certifying labs under the reference standard EN 14351-1.

wind resistance - test pressure	4
wind resistance - frame bending	C
water tightness	2A
acoustic performance (with Rw per IGU 42 dB)	42 (-1-3) dB*
thermal transmittance (with Ug glass 1.0 W/m ² K)	1,55 W/m ² K**
air permeability	3
break-in resistance	(RC)3

ref: two-sash galvanised steel 2400x2400 mm door | ** calculation ref. EN ISO 10077/1
*ref: single-sash galvanised steel 900x2235 mm door

size and variations



reduced lateral section | frame section 109mm
solution for butt and weld-on hinges



lateral section | frame section 134mm
solution for three-wing and concealed hinges



central section | frame section 156 mm



normal and reduced bottom rail | frame section 69 and 94mm

EBE 65 is an interior and exterior flush door. The solution with butt or weld-on hinge has a 109 mm lateral frame section. By using three-wing or concealed hinges, the lateral face section becomes 134 mm.

materials



galvanised steel



stainless steel



corten steel



brass

EBE 65 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 wide range of glazing beads allows for different internal frame looks according to architectural needs.

handles



truncated vitruvio handle
h.116 | d.15 mm



square vitruvio handle
h.116 | d.15 mm



inox 5002
h.190 | d.20 mm

The vitruvio handles come in paintable raw brass, burnished brass, polished chrome brass and polished brass. The square version is also available in corten steel. The system is compatible with many other handle types on the market.

hinges



weld-on
h.145 | d.20 mm



three-wing butt hinge
h.160 | d.22.5 mm



concealed

Weld-on hinges are in galvanised and stainless steel. Three-wing hinges are adjustable and are supplied in galvanised steel, stainless steel, burnished stainless steel. A three-wing hinge is provided also in corten steel.

main type



All models can be made to open inward or outward. Custom solutions are available in co-operation with Secco Sistemi technical office.

