

# **METALFORM**

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**EBE 65 Vertical Pivot Galvanized Steel**

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## Galvanized Steel

### EBE 65 Vertical Pivot Galvanized Steel

Supply and installation of doors, windows, and facades, in fixed and openable sashes, for doors with pivot opening, built with thermal break profiles Secco Sistemi EBE 65. The frame sections are made by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fiberglass and joined to the parts by high-density polyurethane resin. The metal shells are obtained by cold-rolling profiling strips of steel, with a thickness of 15/10, hot-dip galvanized using the "Sendzimir system" skin-passed finish (FeP02 GZ 200), with a zinc coating of  $\geq 200$  gr/sqm, conforming to UNI EN 10142/3/7 and EURONORM 143 standards.

The folding unit must be kept open so that the stainless steel alignment brackets can be inserted, even in the case of continuous surface welding. The assembly of the frames is carried out by continuous welding of the contact surfaces followed by grinding and restoration of the surface finish.

The doors have internal and external profile complanarity and the following visible sections:

- Fixed 47 mm side node
- Opening side node of 109 mm
- Central node for the two wings 156 mm

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- Mandatory depth of 65 mm.

The water, air, and wind sealing system for doors include a double mortise gasket (one level of closed joint gasket), along with a mobile sill for floors. The frames are complete with glass (insert glass type), fixed with glazing beads (select one of the following options: Squared, Gothic, Thin), in galvanized steel to be varnished. These are spaced from the external surfaces by EPDM or silicone gaskets and from the internal surfaces by pressure-inserted EPDM gaskets.

The doors are equipped with steel hinges and concealed steel closing mechanisms in stainless steel to be varnished. The system provides locks with an adequate number of locking points, proportioned with the height of the sashes, and hinges for adjustable and concealed pivot hinges in painted pickled steel.

The surfaces are oxidized and varnished with powder at a temperature of 180° for 25 minutes in a furnace. The handles complete the set and are available in different shapes, materials, and finishes, including the raw brass to be varnished.

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