

METALFORM

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EBE 85 Vertical pivot galvanized steel

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EBE 85 Vertical Pivot Galvanized Steel Doors

Description:

Supply and installation of doors, windows, and facades featuring fixed and openable sashes. The doors are designed with a pivot opening mechanism and constructed using thermal break profiles, specifically Secco Sistemi EBE 85.

Construction:

- Frame sections composed of two seamlessly joined metal shells, one internal and one external, filled with extruded polyamide infused with fiberglass and bonded with high-density polyurethane resin.
- Metal shells crafted from cold-rolled profiling strips of steel with a thickness of 15/10, hot-dip galvanized using the "Sendzimir system," and finished with skinpassed finish (FeP02 GZ 200), zinc coating ≥ 200 gr/sqm, meeting standards UNI EN 10142/3/7 and EURONORM 143.
- Folding unit designed to facilitate insertion of stainless steel alignment brackets, even with continuous surface welding.
- Frames assembled through continuous welding of contact surfaces, followed by grinding and restoration of surface finish.

Design Details:

- Doors exhibit internal and external profile complanarity.
- Visible sections include fixed 47 mm side node, opening side node of 109 mm, central node for the two wings at 156 mm, with a mandatory depth of 73.5 mm.
- Water, air, and wind sealing system incorporated with double mortise gasket providing a closed joint seal.
- Mobile sill for floors included with the doors.

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Glazing:

- Frames equipped with glass (type to be specified) fixed with glazing beads, available in options such as Squared, Gothic, or Thin.
- Glazing beads made of galvanized steel to be varnished, spaced from external surfaces by EPDM or silicone gaskets, and from internal surfaces by pressure-inserted EPDM gaskets.

Hardware:

- Doors equipped with steel hinges and concealed steel closing mechanisms made of stainless steel to be varnished.
- Locks feature an adequate number of locking points proportional to the height of sashes.
- Hinges designed to be adjustable and concealed, made from painted pickled steel.

Surface Finish:

- Surfaces varnished with powder at a temperature of 180°C for 25 minutes in a furnace.

Handles:

- Handles available in various shapes, materials, and finishes, including raw brass to be varnished.

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