

# **METALFORM**

**MASTERS OF METAL**

**EBE 65**

**Inward and Outward Opening Doors | Tilt and  
Turn | Burglar-Proof RC3**

# METALFORM

## Galvanized Steel

### EBE 65

### Inward and Outward Opening Doors | Tilt and Turn | Burglar-Proof RC3

### Material: Galvanized Steel

Supply and installation of doors, windows, and facades, in fixed and openable sashes, for inward and outward opening doors and windows, built with thermal break profiles Secco Sistemi EBE 65.

- **Frame Construction:** The frame sections are crafted 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" with a skin-passed finish (FeP02 GZ 200), and a zinc coating of  $\geq 200$  gr/sqm, adhering to UNI EN 10142/3/7 and EURONORM 143 standards.
- **Assembly:** The folding unit must remain open to facilitate the insertion of stainless steel alignment brackets, even in the case of continuous surface welding. Assembly of the frames involves continuous welding of the contact surfaces, followed by grinding and restoration of the surface finish.
- **Windows and Doors:** Windows feature internal overlap and external coplanarity profiles, with visible sections including fixed side nodes of 47 mm and openable side nodes of 85 mm. Doors also exhibit internal and

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external profile complanarity, with fixed side nodes of 47 mm, opening side nodes of 109 mm, and central nodes for the two wings measuring 156 mm.

The mandatory depth for both windows and doors is 65 mm.

- **Sealing System:** Water, air, and wind sealing systems are integrated, with inward opening windows utilizing triple mortise gaskets and outward opening windows and doors employing double mortise gaskets.
- **Additional Features:** Mobile sills for floors are provided for doors, along with a sufficient number of Corten steel screw-on water drains for windows.
- **Finishing:** Frames come complete with glass, fixed with glazing beads in galvanized steel, spaced from external surfaces by EPDM or silicone gaskets, and internally by pressure-inserted EPDM gaskets. Windows are equipped with concealed, adjustable stainless steel hardware.
- **Hardware:** Tilt and turn windows offer perimeter hardware, available with concealed or visible hinges, equipped with an appropriate number of locking points. Windows boast an RC3 certified burglar alarm category.
- **Locks and Hinges:** Doors are fitted with locks having an adequate number of locking points, proportioned with the height of the sashes, along with adjustable screw-on stainless steel hinges for specified load capacities.
- **Surface Finish:** Surfaces are oxidized and varnished with powder in a furnace at 180° for 25 minutes.
- **Handles:** A variety of handle shapes, materials, and finishes are available, including raw brass to be varnished.

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