

METALFORM

MASTERS OF METAL

**EBE 75 Inward and outward opening doors | tilt
and turn | burglar-proof RC3 | In corten steel**

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Corten steel

EBE 75 Inward and outward opening doors | tilt and turn | burglar-proof RC3 | In corten 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 75. 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 Cor-Ten steel (Fe510X) with a thickness of 15/10, eN1049 standard.

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 windows have external and internal coplanarity profiles and the following visible sections:

- Fixed side node of 47 mm
- Openable side node of 85 mm
- Central node for the two panels that is asymmetrical and measures 107 mm / symmetrical 145 mm

METALFORM

- Mandatory depth of 65 mm

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
- Mandatory depth of 65 mm

Water, air, and wind sealing system for inward opening windows with triple mortise gasket (two sealing levels, one of which is open-joint), for outward opening windows and for doors with double mortise gasket (one level of closed joint gasket). Mobile sill for floors for doors. A sufficient number of Corten steel screw-on water drains are provided in the windows Corten.

The frames are complete with glass (insert glass type) fixed with glazing beads (select one of the following options):

- Squared
- Gothic
- Thin
- in Corten steel, spaced from the external surfaces by means of EPDM or silicone gaskets, and from the internal surfaces by means of pressure-inserted EPDM gaskets.

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The windows are equipped with concealed to be screwed on, hot burnished stainless steel, adjustable with three wings (Ø15 mm 180 kg capacity per panel). Alternatively, the windows have tilt and turn openings with perimeter hardware, available with either concealed hinges (130 kg load capacity) or visible hinges (Ø14 mm load 150 kg capacity), the hardware is equipped with an appropriate number of locking points depending on the sash size.

The doors are equipped with locks with an appropriate number of locking points proportioned with the height of the sashes and adjustable screw-on stainless steel hinges for load capacities up to 250 kg (Ø21.5 mm), and for load capacities up to 160 kg (Ø22.5 mm) in Corten steel.

Oxidized surfaces finished with acid etching, oxidation, passivation, and waxing processes. The handles complete the set and are available in different shapes, materials, and finishes, including Corten steel.

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