

# **METALFORM**

**MASTERS OF METAL**

**OS2 75 Hinged galvanized steel**

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## OS2 75 Hinged galvanized steel

- Supply and installation of doors, windows, and facades, in fixed and openable sashes, for doors with a hinged inward or outward opening built with thermal break profiles Secco Sistemi OS2 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 steel thickness 15/10, hot-dip galvanized "Sendzimir system" skin passed finish (FeP02 GZ 200), zinc coating  $\geq 200$  gr/sqm, (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 system provides for the internal and external overlapping of the profiles and the following minimum visible sections; vertical sections measuring 63 mm, lower horizontal section measuring 52 mm, and upper section measuring 66 mm, with a mandatory depth of 77 mm. In terms of structure, the frames can have all nodes from 62mm which are identical to each other, making any fixed parts indistinguishable from those that are openable, allowing all coplanar glass to be placed between them.

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- Water, air, and wind sealing system with double-threaded gasket (one level of closed-joint sealing) and bottom threshold seal. The frames are complete with glass, (insert glass type) fixed with glazing beads (select one of the following options) | Rectangular | Square Rounded | Triangular | Thin | in galvanized steel to be varnished spaced from the external surfaces by means of EPDM or silicone gaskets, and from the internal surfaces by means of pressure-inserted EPDM gaskets. Composite upper case containing the track, concealed with the sashes closed, for lifting and sliding the doors. Lower profile in polyamide and stainless steel for the sliding of the guides, prepared for flush-to-floor installation and water drainage; possibility of reduced threshold with stop gasket and seal.
- The sashes have a maximum width of 1000 mm and are equipped with screw-on, applicable three-wing steel hinges, with a diameter of 15 mm for capacities up to 100 kg per door. Internal bolt locking system with a lower and upper end, and a sufficient number of additional locking points depending on the size of the opening doors. We provide: The doors are complete with locks with various locking points depending on the height of the sashes and lock cover boxes/reinforced profiles in painted pickled steel. Oxidized surfaces are 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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**UNITED KINGDOM**

**METALFORM**

**NORWAYMETAL LTD**

53 Chelsea Manor Street

London, SW3 5RZ

**SALES@METALFORM.UK**

**+44 20 81298814**

**GERMANY**

**METALFORM GMBH**

Carl-Zeiss-Ring 15A

85737 Ismaning

**SALES@METALFORMGROUP.DE**

**+49 17663630406**

**NORWAY**

**METALFORM AS**

Brochmannsveien 2

1950 Rømskog

**SALG@METALFORM.NO**

**+47 401 62 446**

**METALFORMGROUP**

**SALES@METALFORMGROUP.COM**