

# **METALFORM**

**MASTERS OF METAL**

**OS2 75 Hinged**

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## OS2 75 Hinged

### **Description:**

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.

### **Frame Construction:**

The frame sections are made by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fibreglass 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, according to the eN1049 standard.

### **Assembly:**

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.

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## **Profile Overlapping and Sections:**

The system provides for the internal and external overlapping of the profiles. The minimum visible sections are as follows:

- Vertical sections measuring 63 mm
- Lower horizontal section measuring 52 mm
- Upper section measuring 66 mm
- Mandatory depth of 77 mm

## **Structure:**

In terms of structure, the frames can have all nodes from 62 mm, 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.

## **Sealing System:**

Water, air, and wind sealing system with double-threaded gasket (one level of closed-joint sealing) and bottom threshold seal.

## **Glass:**

The frames are complete with glass, fixed with glazing beads 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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## Upper and Lower Profiles:

- 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.

## Sashes:

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.

## Locking System:

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.

## Additional Features:

The doors are complete with locks with various locking points depending on the height of the sashes and lock cover boxes/reinforced profiles in corten steel.

## Surface Finish:

Oxidized surfaces finished with acid etching, oxidation, passivation, and waxing processes.

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## **Handles:**

The handles complete the set and are available in different shapes, materials, and finishes, including corten steel.

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