

METALFORM

MASTERS OF METAL

Galvanized Steel

OS2 65 Vertical and Horizontal Pivot

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Description:

Supply and installation of doors, windows, and facades, in fixed and openable sashes, for windows with vertical or horizontal pivot opening, built with thermal break profiles Secco Sistemi OS2 65.

Frame Construction:

The frame sections are created 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" skin passed finish (FeP02 GZ 200), with a zinc coating of ≥ 200 gr/sqm, in accordance with UNI EN 10142/3/7 and EURONORM 143 standards.

Installation Process:

The folding unit must be kept open to allow the insertion of stainless steel alignment brackets, even in the case of continuous surface welding. Assembly of the frames is achieved through continuous welding of the contact surfaces followed by grinding and restoration of the surface finish.

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Frame Design:

The system provides for internal and external overlapping of the profiles and includes minimally visible sections such as a fixed side node measuring 27 mm, side sash node measuring 47 mm, and a central node for the two wings measuring 62 mm, with a mandatory depth of 65 mm.

Frame Options:

The frames offer the choice between having all nodes from 62mm, identical to each other, enabling coplanar windows, or distinct nodes for fixed and openable parts, with the option of inserting coplanar glass between them.

Sealing System:

Water, air, and wind sealing system is incorporated, featuring a triple mortise gasket for inward opening windows (two sealing levels, one of which is open-joint), and suitable sealing for outward opening windows.

Water Drainage:

A sufficient number of Corten steel screw-on water drains are provided in the windows.

Glass Installation:

The frames come complete with glass, fixed with glazing beads in various shapes (Rectangular, Square Rounded, Triangular, Thin), all in galvanized steel to be varnished. EPDM or silicone gaskets are used to space the glass from external and internal surfaces.

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Window Features:

Windows are equipped with concealed friction hinges with a steel load capacity of 100 kg, all in galvanized steel to be varnished.

Locking System:

Internal bolt locking system with a lower and upper end, along with additional locking points depending on the size of the opening doors.

Surface Finish:

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

Handles:

Handles are available in different shapes, materials, and finishes, including raw brass to be varnished.

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