

METALFORM

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Stainless Steel OS2 75 Hinged

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- Supply and installation of doors, windows, and facades, including fixed and openable sashes, designed for doors with a hinged inward or outward opening, built with thermal break profiles from Secco Sistemi OS2 75. The frame sections are constructed by seamlessly joining two metal shells, one whole and one external, using extruded polyamide filled with fiberglass and joined to the parts by high-density polyurethane resin. The metal shells are formed by cold-rolling profiling strips of stainless steel AISI 316L Marine (X2 CrNiMo 17-12-2) with a thickness in line with 15/10, eN10088-2, and EU114 standards, featuring a Scotch Brite finish.
- The folding unit remains open to facilitate the insertion of stainless steel alignment brackets, even in cases of continuous surface welding. Assembly of the frames involves continuous welding of the contact surfaces followed by grinding and restoration of the surface finish. The system allows for the internal and external overlapping of the profiles, with 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.

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- 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. The water, air, and wind sealing system feature a double threaded gasket (one level of closed-joint sealing) and bottom threshold seal.
- The frames are complete with glass, fixed with glazing beads in AISI316L stainless 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. A composite upper case containing the track, concealed with the sashes closed, is provided for lifting and sliding the doors. The lower profile in polyamide and stainless steel facilitates sliding of the guides, prepared for flush-to-floor installation and water drainage, with the possibility of a 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. An internal bolt locking system with a lower and upper end, along with a sufficient number of additional locking points depending on the size of the opening doors, is provided. The doors are complete with locks with various locking points depending on the height of the sashes and lock cover boxes/reinforced profiles in stainless steel.

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- Surfaces are oxidized with Scotch Brite finishing. The handles complete the set and are available in different shapes, materials, and finishes, including stainless steel.

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