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**OS2 65 Vertical and Horizontal Pivot in
Stainless Steel**

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Stainless Steel

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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 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.
- Metal shells are obtained 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.

Assembly Process:

- 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.

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- Assembly of the frames is carried out by continuous welding of the contact surfaces followed by grinding and restoration of the surface finish.

Frame Design:

- The system provides for the internal and external overlapping of the profiles and the following minimally visible sections:
 - Fixed side node measuring 27 mm
 - Side sash node measuring 47 mm
 - Central node for the two wings measuring 62 mm
 - Mandatory depth of 65 mm.

The frames have the following options:

- All nodes, both fixed and openable, starting from 62mm and identical to each other, enabling the windows to be coplanar.
- Distinct nodes for fixed and openable parts, minimizing their dimensions as much as possible, with the option of inserting coplanar glass between them.

Sealing System:

- Water, air, and wind sealing system for inward opening windows with triple mortise gasket, providing two sealing levels, one of which is open-joint. Applicable for outward opening windows as well.

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Components:

- A sufficient number of Corten steel screw-on water drains are provided in the windows.
- Frames are complete with glass, fixed with glazing beads in AISI316L stainless steel, spaced from the external surfaces by EPDM or silicone gaskets, and from the internal surfaces by pressure-inserted EPDM gaskets.
- Windows are equipped with concealed friction hinges with a 100 kg steel load capacity.

Locking System:

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

Finishing:

- 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.
- Surfaces are oxidized with Scotch Brite finish for enhanced durability.

Handles:

- Handles are available in different shapes, materials, and finishes, including stainless steel.

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