

METALFORM

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**Corten Steel OS2 75 Lift and Slide Doors,
Windows, and Facades**

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Corten Steel OS2 75 Lift and Slide Doors, Windows, and Facades

- Supply and installation of doors, windows, and facades featuring fixed and openable sashes, crafted from corten steel. The product utilizes thermal break profiles from Secco Sistemi OS2 75 for doors with a lift and slide opening mechanism. The frame sections are constructed by seamlessly joining two metal shells, one whole and one external, using extruded polyamide filled with fiberglass and bonded to the parts with high-density polyurethane resin. The metal shells are formed through cold-rolling profiling strips of Cor-Ten steel (Fe510X) with a thickness of 15/10, complying with EN1049 standard.
- The folding unit remains open to allow for the insertion of stainless steel alignment brackets, even in cases of continuous surface welding. Frame assembly entails continuous welding of contact surfaces, followed by grinding and restoration of the surface finish. The product boasts minimally visible sections of 47 mm, consistent throughout the entire perimeter of the panels, with a coaxial door center node measuring 98 mm. A mandatory depth of 84 mm is enforced.
- The water, air, and wind sealing system is seamless, achieved through silicone seams threading around the entire perimeter of the frames, vulcanized corner joints, and neoprene pads for the central node. The frames come complete with glass, fixed with glazing beads in corten steel, spaced from external surfaces by EPDM or silicone gaskets, and from internal surfaces by pressure-inserted EPDM gaskets.
- Side and top casings comprise tubular profiles with the same finish as the sashes, incorporating insulating materials for uninterrupted thermal break. The lower polyamide casing profile is designed for flush-to-floor installation, both internally and externally, with water drainage facilitated by an upper covering of the base in stainless steel. Sliding lifts feature hardware for closing and manual handling, with capacities up to 250 kg. Surfaces are finished with acid etching, oxidation, passivation, and waxing processes.
- The handle and espagnolette cover box, part of the Vitruvio series, complete the set and are available in various finishes, including corten steel.

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