

# **METALFORM**

**MASTERS OF METAL**

**BV 75 Lift and Slide in Galvanized Steel**

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## Galvanized Steel

### BV 75 Lift and Slide in Galvanized Steel

Supply and installation of doors, windows, and facades, featuring fixed and openable sashes. Specifically designed for doors with a lift and slide opening, built with thermal break profiles from Secco Sistemi BV 75.

The frame sections are crafted by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fiberglass, and bonded together with high-density polyurethane resin. These metal shells are created using cold-rolled profiling strips of steel, with a thickness of 15/10, employing the hot-dip galvanized "Sendzimir system" skin-passed finish (FeP02 GZ 200), meeting the zinc coating requirements of  $\geq 200$  gr/sqm as per UNI EN 10142/3/7 and EURONORM 143 standards.

The folding unit must be kept open to facilitate the insertion of stainless steel alignment brackets, even during continuous surface welding. Assembly of the frames involves continuous welding of the contact surfaces, followed by grinding and restoration of the surface finish.

Visible sections measure 47 mm, consistent throughout the entire perimeter of the panels, with a coaxial door center node of 98 mm. The mandatory depth is set at 84 mm.

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Seamless water, air, and wind sealing system utilizing silicone seams around the entire perimeter of the frames, along with vulcanized corner joints and neoprene pads for the central node.

The frames come complete with glass, with options including beveled, squared, square rounded, triangular, or thin, all crafted from galvanized steel to be varnished. They are spaced from external surfaces by EPDM or silicone gaskets, and internally by pressure-inserted EPDM gaskets.

Side and top cases are composed of tubular profiles matching the finish of the sashes, with insulating materials ensuring an uninterrupted thermal break. The lower polyamide casing profile is prepared for flush-to-floor installation, internally and externally. Optionally, the upper covering of the base can be in galvanized steel or stainless steel.

The sliding lifts are equipped with hardware for both closing and manual handling, with capacities up to 250 kg.

Surface oxidation is managed by varnishing with powder at a temperature of 180°C for 25 minutes in a furnace.

The handle and the espagnolette cover box, part of the Vitruvio series, complete the set and are available in various finishes, including raw brass to be varnished.

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