

# METALFORM

MASTERS OF METAL

EBE 85 ØG<sup>®</sup> Magnetic Levitation Sliding Lift  
ØG<sup>®</sup>

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## Galvanized Steel

### EBE 85 ØG® Magnetic Levitation Sliding Lift ØG®

Supply and installation of doors, windows, and facades, featuring thermal break profiles Secco Sistemi EBE 85 ØG®, made from galvanized steel. The frame sections are constructed by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fiberglass, bonded together with high-density polyurethane resin. The metal shells are created from cold-rolled profiling strips of steel, with a thickness of 15/10, utilizing the hot-dip galvanized "Sendzimir system" skin-passed finish (FeP02 GZ 200), with a zinc coating of  $\geq 200$  gr/sqm, adhering to UNI EN 10142/3/7 and EURONORM 143 standards.

The folding unit must remain open to allow the insertion of stainless steel alignment brackets, even during continuous surface welding. Frame assembly involves continuous welding of the contact surfaces, followed by grinding and restoration of the surface finish. Visible sections are consistent over the entire perimeter of the sliding sashes, with options of 69 mm or 94 mm, and a mandatory depth of 84 mm.

Seamless water, air, and wind sealing is achieved through silicone seams threading around the entire frame perimeter, with vulcanized corner joints and

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neoprene pads for the central node. The frames come complete with glass, available in various types, fixed with glazing beads in galvanized steel, spaced from external surfaces by EPDM or silicone gaskets, and internally by pressure-inserted EPDM gaskets.

The ØG® system incorporates a levitation unit built into the floor, housing the sliding rail, Ironlev® magnetic pads, and beam connecting to the door.

Maintenance access is facilitated through movable covering profiles, which can match the floor finishes. An 8 mm gap, sealed by brushes, remains visible along the entire sash sliding, eliminating any tripping hazards. Upper ØG® sash mechanisms counteract magnet lifting thrust, ensuring tightness and closure.

The system operates manually without electricity, even with weights exceeding 1000 kg.

Surfaces are oxidized and varnished with powder at 180°C for 25 minutes in a furnace. The set is completed with handles available in various shapes, materials, and finishes, including raw brass to be varnished.

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