

METALFORM

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EBE 85 ØG[®] Magnetic levitation sliding lift ØG[®]

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Corten steel

EBE 85 ØG® Magnetic levitation sliding lift ØG®

Supply and installation of doors, windows, and facades, in fixed and openable sashes, for doors with ØG® sliding lift and slide opening, built with thermal break profiles Secco Sistemi EBE 85 ØG®.

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. The metal shells are obtained by cold-rolling profiling strips of Cor-Ten steel (Fe510X) with a thickness of 15/10, eN1049 standard.

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

Visible sections of (select one of the following options):

- 69 mm
- 94 mm

Consistent over the entire perimeter of the sliding sashes, with a mandatory depth of 84 mm.

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Water, air, and wind sealing system seamless, made with silicone seams to thread around the entire perimeter of the frames, vulcanized corner joints, and neoprene pads for the central node.

The frames are complete with glass, (insert glass type) fixed with glazing beads (select one of the following options):

- Squared
- Gothic
- Thin

In corten 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.

ØG consists of a levitation unit built into the floor which contains the sliding rail, the Ironlev® magnetic pads, and the beam connecting to the door. The system is accessible for maintenance through movable covering profiles that can contain, in their visible surface, the same finishes as the floors. Only an 8 mm gap, closed by brushes, remains visible in the floor along the entire sliding of the sash, without any protrusion and therefore risk of tripping.

In the upper part of the ØG sash, mechanisms are provided in order to counteract the lifting thrust of the magnets and lower the panel, ensuring tightness and

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closure. The system does not require electricity; it works manually even with significant weights, over 1000 kg.

Oxidized surfaces finished with acid etching, oxidation, passivation, and waxing processes.

The handles complete the set and are available in different shapes, materials, and finishes, including corten steel.

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