

# METALFORM

## MASTERS OF METAL

EBE 85 ØG® Magnetic Levitation Sliding Lift ØG®

# METALFORM

## Stainless Steel

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

#### Description:

Supply and installation of doors, windows, and facades, featuring fixed and openable sashes with ØG® sliding lift and slide opening. These are built with thermal break profiles Secco Sistemi EBE 85 ØG®. The frame sections are crafted by seamlessly joining two metal shells (one whole and one external) with extruded polyamide filled with fiberglass and joined to the parts by high-density polyurethane resin. The metal shells are made from cold-rolling profiling strips of stainless steel AISI 316L Marine, meeting standards 15/10, EN10088-2, and EU114, with a Scotch Brite finish.

#### Assembly:

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

#### Visible Sections:

Visible sections are consistent over the entire perimeter of the sliding sashes, with a choice between 69 mm or 94 mm, and a mandatory depth of 84 mm.

# METALFORM

## **Sealing System:**

The water, air, and wind sealing system is seamless, employing silicone seams around the entire perimeter of the frames, vulcanized corner joints, and neoprene pads for the central node.

## **Glass and Glazing:**

The frames are complete with glass (insert glass type) fixed with glazing beads. Options for glazing beads include Squared, Gothic, or Thin, all in AISI316L stainless steel. Glass is spaced from external surfaces by EPDM or silicone gaskets and from internal surfaces by pressure-inserted EPDM gaskets.

## **ØG System:**

The ØG system comprises a levitation unit built into the floor containing the sliding rail, Ironlev® magnetic pads, and a connecting beam to the door. The system is accessible for maintenance through movable covering profiles, which can match floor finishes. It features a minimal 8 mm gap, closed by brushes, along the entire sliding path, eliminating tripping hazards. Upper mechanisms counteract lifting thrust of the magnets and lower the panel for tightness and closure. Notably, the system operates manually, without electricity, even with significant weights exceeding 1000 kg.

# METALFORM

## **Surface Finish:**

Surfaces are oxidized Scotch Brite.

## **Handles:**

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

# METALFORM

MASTERS OF METAL

**UNITED KINGDOM**

**METALFORM**

**NORWAYMETAL LTD**

53 Chelsea Manor Street

London, SW3 5RZ

**SALES@METALFORM.UK**

**+44 20 81298814**

**GERMANY**

**METALFORM GMBH**

Carl-Zeiss-Ring 15A

85737 Ismaning

**SALES@METALFORMGROUP.DE**

**+49 17663630406**

**NORWAY**

**METALFORM AS**

Brochmannsveien 2

1950 Rømskog

**SALG@METALFORM.NO**

**+47 401 62 446**

**METALFORMGROUP**

**SALES@METALFORMGROUP.COM**