

# METALFORM

MASTERS OF METAL

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

ØG<sup>®®</sup>

# METALFORM

**Brass OT67**

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

## **Description:**

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®.

## **Frame Construction:**

The frame sections are made 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 obtained by cold-rolling profiling strips of Copper alloy OT67 (Cu67/Zn33) with thickness 15/10, in accordance with the EN1652:1999 standard.

## **Assembly:**

The folding unit must be kept open to insert stainless steel alignment brackets, even in the case of continuous surface welding. The assembly of the frames is carried out by welding the internal surfaces (which can't be viewed) with the insertion of internal stainless steel reinforcement brackets and eventual brazing of the visible parts.

# METALFORM

## **Visible Sections:**

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

## **Sealing System:**

Water, air, and wind sealing system is seamless, made with silicone seams to thread 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, fixed with glazing beads in brass OT67, spaced from the external surfaces by EPDM or silicone gaskets, and from the internal surfaces by pressure-inserted EPDM gaskets.

## **ØG System:**

ØG consists of a levitation unit built into the floor containing the sliding rail, Ironlev® magnetic pads, and the beam connecting to the door. The system is accessible for maintenance through movable covering profiles that match the finishes of 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, minimizing the risk of tripping.

# METALFORM

## **Mechanisms:**

In the upper part of the ØG sash, mechanisms are provided to counteract the lifting thrust of the magnets and lower the panel, ensuring tightness and closure. The system does not require electricity and works manually even with significant weights, over 1000 kg.

## **Surface Finish:**

Surfaces are burnished with a mechanical cleaning process involving abrasive, immersion in burnishing liquid, washing, and protection with Vaseline oil or a wax of choice.

## **Handles:**

Handles are available in different shapes, materials, and finishes, including Brass OT67.

# 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**