

TABLE TEXT "HS-magis40"

The Lift&Slide "HS-magis40" Lift&Slide is tested and certified at notified testing institutes in accordance with the UNI-EN 14351-1:2016 standard currently in force.

Technical specifications "HS-magis40"

The HS-magis40 Lift&Slide has a finished frame section of mm.214x45, (consisting of wood for mm.199x45 and aluminium for the remaining part) and for the doors section of mm.115x40/58/70 (with wood of mm.105x40/58/70). Coupling of the aluminium frames to the wood by means of nylon clips that allow for an optimal union between wood and metal at a distance of mm.3/5 in order to avoid the formation of condensation and ensure perfect ventilation of the coupling area, the frames are independent and allow for tension-free expansion.

The wooden frames are joined at 90° using a special mechanical assembly and sealing system.

The aluminium frames are joined at 90° and are mechanically assembled by caulking or welding/punching.

Insulated glass:

HS-magis40 allows the housing of double-glazing with a thickness of 32 mm or 52 mm glued to the wooden profiles of the sash with a special double-sided adhesive that transfers the rigidity of the glass to the structure of the sash, preventing deformation and sagging.

The standard double glazing to be provided for compliance with energy certification regulations must have a Ug-value of 1.4 W/m² K or less and a warm-edge channel, and glass must also comply with safety regulations against accidents.

The glass in the fixed part can be assembled and disassembled on site from the outside using special patented clips (LC175).

Gaskets:

The sealing system on the sash uses an EPDM main seal.

Silicone gaskets are provided in the central node and a rostrum system between the profiles allows the sash to be properly sealed when closing.

A sealing gasket made of co-extruded EPDM with a foam component is mounted on the aluminium profiles against the glass.

At the top of the sash, the sealing system is made of a polyurethane foam gasket covered with a polyethylene film. Additional polyurethane foam gaskets covered with polyethylene film are also provided to cover the gaps between sash and frame.

Hardware:

- Security locking system with pin or hook-type espagnolette and lock prepared for the insertion of a cylinder.
- Sliding system with a sash carriage kit that allows the sash to be lifted and slid sideways with a weight of up to Kg.400 and a single sash size of up to cm.300 in width and cm.290 in height.
- Aluminium upper rail inserted in the upper crossbar of the frame complete with accessory kit and the possibility of inserting the soft-close accessory (optional). Possibility of motorised door opening.

Threshold:

The 199 mm floor sill in GRP painted RAL7035 provides good thermal insulation, preventing the formation of cold spots and condensation; the sill kit includes EPDM accessories for sealing the system. An aluminium rail is inserted in the threshold for the lower carriages to slide.

WOOD and Finishes:

- Finger-jointed **laminated pine** covered with European OAK veneer or TANGANYKA veneer and painted with water-based finishes.
- Finishes: **see UNIFORM colour chart.**

ALUMINIUM Finishes:

- RAL Standard glossy and matt
- RAL Textured (RAL matt colours not smooth but rough)
- OXIPULVER (oxidised but painted imitation finish line with welded corner)
- DECORLEGNO
- OBSIDATES Finishes: **see UNIFORM colour chart.**

The aluminium profiles are painted according to RAL standards under the Qualicoat brand name or with anodic oxidation treatment in class ARS15 for industrial or marine environments under the Qualanod brand name.

HS- magis40 windows and doors can be installed flush with the wall without internal mouldings or with internal mouldings on 3 sides.