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TEXT OF TABLE **"magis40"**

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

"magis40" technical specifications

The magis40 window has a finished frame section of 118x62 mm, (made of wood for mm.103x40 and aluminium for the remaining part) and for the sashes section of mm.110x40 (with wood of mm.100x40). 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 provide for the mechanical assembly of the 45° angles by means of caulking.

Insulated glass:

magis40 allows the housing of double-glazing with a thickness of 33 mm or 48 mm glued to the wooden profiles of the supporting structure with a special structural double-sided adhesive that transfers the rigidity of the glass to the sash structure, 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 that also complies with safety regulations against accidents must also be provided.

Gaskets:

- Perimeter seal made of black EPDM (with vulcanised corners) that allows the wooden part to be joined to the metal part, ensuring perfect sealing and water drainage.
- Thermal-acoustic core made of polyurethane foam covered with polyethylene film for the acoustic performance of the window frame
- EPDM interior, mounted on the perimeter of the sash with pre-moulded corners, which covers the hardware on the frame and provides an additional acoustic seal.
- A co-extruded EPDM sealing gasket with a foam component is mounted on the aluminium sash profile
- A co-extruded EPDM gasket is also mounted on the aluminium frame profile to prevent direct contact between the metal components.

Hardware:

magis40 windows and doors are prepared for strip hardware with a 13 mm offset and corner hinges to achieve Tilt&Turn or TBT (Tilt Before Turn) movement. The hinges are only UNWINDING with a maximum opening angle of 105°. The hardware includes the Turn-Only mechanism with micro-ventilation and additional locking with mushroom cams for burglar-resistance.

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For two-leaf frames, the receiving sash is locked by means of a lever rod that controls the deadbolt at the bottom and at the top from below. All **magis40** door and window frames have an anti-manoeuvre device to prevent incorrect manoeuvres when opening and closing a Turn-Only sash.

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)
- BRUNELLESCHI
- SABLE
- OXIPULVER (oxidised but painted imitation finish line with welded corner)
- DECORLEGNO
- OBSIDATES Finishes: **see UNIFORM colour chart.**

The painting of all aluminum products meets the requirements imposed by the Qualicoat Seaside brand.
Anodized products, on the other hand, made in outsourcing, follow an anodic oxidation process according to the requirements of the Qualanod mark.

magis40 windows and doors can be installed flush with the wall without internal cover strips or with internal cover strips on 3 or 4 sides.