



## INTERIOR DOORS WITH FIRE RESISTANCE EI 30 / EI60 LEDA / HYPERION - INSTALLATION INSTRUCTIONS

Please read the warranty terms and conditions and the installation instructions before starting the installation.

**ATTENTION: PRODUCT CONTAINS WOOD-BASED MATERIALS  
PROTECT AGAINST MOISTURE AND WETNESS!**

### REQUIRED MOUNTING ACCESSORIES:

screwdriver or screwdriver, 4 mm hexagonal spanner, drill, spirit level 2 m long, spacers, screws  $\varnothing 7.5$  mm 150 mm long, hammer, spacer blocks, wedges, neutral silicone (NOT sanitary), wood cutting tools and mineral wool with a density of min. 80 kg/m<sup>3</sup> and fireproof acrylic or silicone (gaps up to 5 mm), masonry or gypsum mortar (only for steel-frame doors), fireproof low-expansion assembly foam (only for HYPERION doors)

### TECHNICAL CHARACTERISTICS

- LEDA doors: fire and smoke-proof or smoke-proof (with ventilation grille) full and glazed, single-leaf or double-leaf. HYPERION doors: fire and smoke-proof burglar-proof, full, single-leaf.
- The permissible deviations in overall flatness are defined by the EN 1530:2001 (tolerance class 3) and dimensional tolerances EN 1529:2001 (tolerance class 2).
- the sound insulation of the door is specified in the declaration of performance.
- the criteria of the smoke-proof classes S<sub>200</sub> and S<sub>a</sub> are in accordance with EN 13501-2+A1:2000.
- The rating plate shall contain the following, etc.: name of the manufacturer, name (symbol) of the product, year of manufacture, fire resistance class, smoke control class, name and number of the technical assessment.

### QUALITY AND ACCURACY OF WORKMANSHIP

- The quality of workmanship is to be in accordance with the technical description of the product and the factory production control. Furthermore, the workmanship standard is to reflect the type of materials used and the production technology.
- permissible gaps at connecting elements are 0.5 mm and concern at least: junctions of frame stands with lintel (upper beam), junction between transom and leaf vertical frame. A gap not exceeding 0.5 mm does not constitute a product defect.

### PURPOSE

- The product is to be used as an internal entrance door in residential buildings, public buildings and collective residence buildings. It is used for closing openings in the walls of rooms with a slight difference in temperature and relative humidity not exceeding 50-60%. Installation is not permitted in rooms with permanently high humidity, e.g. laundries, saunas, swimming pools, cellars, garages.
- For strength reasons, the door can be used in conditions corresponding to mechanical strength requirement class 3 according to EN 1192:2001, i.e., under severe operating conditions.
- use the handle to open and close the door.
- the use of doors should be on the basis of a technical design of the facility, developed taking into account the applicable standards and regulations
- The door can be installed in walls with a minimum thickness:
  - concrete or reinforced concrete - 100 mm
  - solid bricks or concrete blocks 120 mm
  - brick with holes or 120 mm cellular concrete;
  - frame with gypsum board cladding - 100 mm

**Note: Plasterboard with a fire resistance rating of not less than EI 60.**

### CONTENTS OF THE KIT

- Fire, smoke and acoustic functions are only ensured by the installation of a complete product, which together includes:
- Door leaf, factory-fitted with gaskets (fire and intumescent), lock, hinges, sill; Frame; Door closer; Cylinder insert complying with the requirements of EN 1303:2007/AC:2008 (to be ordered separately);
- Handle with escutcheon complying with the requirements of EN 1906:2003 (to be ordered separately). The purchaser is responsible for purchasing the complete set.

### TRANSPORT AND STORAGE

- Use covered means of transport. The use of scratch protection spacers is recommended. Secure against displacement.
- SHEETS are to be transported and stored upright, positioned at the bottom edge. SHEARINGS to be transported and stored horizontally.
- Store in original packaging, in dry and well-ventilated areas with a humidity level of no more than 60%.
- Storage in raw, unventilated, damp or very sunny areas is strictly prohibited.

### HEALTH AND SAFETY IN USE AND MAINTENANCE

- Documented inspections should be carried out regularly, but at least twice a year. Check function and functionality of accessories (lock, locks, hinges, seals).
- use and maintain the closer in accordance with the manufacturer's instructions.
- It is the responsibility of the building owner to ensure that the door is kept in full working order. The loss of functional properties must be rectified immediately by repairing or replacing the defective component.
- remove dirt with a damp cloth. Excessive amounts of water can cause irreversible wrinkling of the veneer.
- For maintenance, use agents recommended by household chemical manufacturers. Before using them, test the product on a small area by applying it to a cloth.
- Protect against moisture and wetness.
- It is strictly prohibited to:
  - cleaning and maintenance using chemical preparations containing corrosives, abrasives and substances causing discolouration and damage,
  - slamming, hanging heavy, wet, sticky objects, etc.
- during installation, use and maintenance, the applicable safety regulations must be strictly observed, in particular:
  - use efficient tools in accordance with their intended use during assembly,
  - use a handle, knob, hilt or other suitable hardware to open and close the door,
  - Functional faults must be reported immediately to the qualified installation team.
- The product does not contain any hazardous substances as defined by Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006.



### BEFORE ASSEMBLY

1. Install doors in openings prepared in accordance with the technical documentation of the building.
2. perform an initial visual inspection of the PRODUCT before removing the protective packaging and check compliance with the order.
3. remove the packaging without destroying the polystyrene foam, cardboard and the Manufacturer's labels by storing them until the installation is complete.
4. Check all dimensions according to the diagram below:
5. the use of qualified installation teams is recommended.
6. Carry out the work in accordance with the rules of the trade and with health and safety regulations.
7. commence installation after completion of other renovation and construction work (painting, wallpapering, tiling and panel laying) in rooms with a humidity level not exceeding 50%.
8. refrain from installing a product that does not have a rating plate.

### MONTAGE

1. unpack all components from the packaging and place on a clean surface that will not scratch the veneer. Do not destroy the packaging or the Manufacturer's labels until assembly is complete.
2. lay the striker and hinge riser (for double doors there will be 2 hinge risers in the kit) horizontally parallel to each other at a distance corresponding to the width of the top beam.
3. position the top beam so that the corners are snugly fitted
4. join the corners using screws, maintaining a right angle between the beam and the riser.
5. Fix the hinges in the holes.
6. Check where the angles are joined on the veneer side.
7. Set the frame in the opening and fix it with wedges, observing the LEFT/RIGHT function.
8. Place spacer blocks between the wall and the frame at the following heights: threshold, lock, and top and bottom hinges.
9. Stabilise vertical elements with adjustable struts and wedges.
10. Check the vertical and horizontal alignment of the structure with a spirit level. Fix the frame firmly using 4 steel screws on each side with a minimum length of 150 mm x  $\varnothing$  6 mm. Recommended spacing of the fixing screws, counting from the top edge of the frame: 1/ 10 cm; 2/ 73.5 cm; 3/ 137 cm; 4/ 197 cm (or higher if the height of the frame does not exceed 200 cm. For aesthetic reasons, it is recommended to carry out these operations in the rim under the gasket.
11. Fit the door leaf, checking for adherence to the frame. The gap between the edge of the leaf and the ground should be 5 mm. When the door is closed, the drop threshold should fit evenly into the ground.
12. Fit the cylinder, check operation of the lock.
13. Fill the gaps between the masonry and the frame using:
  - mineral wool with a density of min. 80 kg/m<sup>3</sup> and fire-resistant acrylic or silicone (gaps up to 5 mm)
  - masonry or gypsum mortar (with wood or wood-based frame threads)
14. Remove struts and wedges.
15. seal the space between the floor and the door frame with silicone to protect against moisture or wetness (except for carpeting).
16. Insert
17. Install accessories, including the door closer