



INTERNAL DOORS - 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, \varnothing 7.5 mm screws 92 mm long, hammer, spacer blocks, wedges, low-compression assembly foam, neutral silicone (NOT sanitary), wood cutting tools

QUALITY AND ACCURACY OF WORKMANSHIP

1. 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.

2. The permissible joint gaps are 0.5 mm, min. at the following points: junctions between frame racks and lintel (top beam), joint between transom and sash vertical frame.

A gap that does not exceed 0.5 mm does not constitute a product defect.

PURPOSE

1. The product is intended for use in the construction industry as an internal entrance door, closing off construction openings in internal walls, between a staircase or corridor and rooms.

Installation is not recommended between rooms with significant temperature differences or permanently high humidity (i.e. over 60%), e.g. laundry rooms, saunas, swimming pools, cellars, garages, unheated attics and lofts.

2. use the handle, knob, hilt or other hardware to open and close the door.

3. The choice of the appropriate door type should take into account the technical requirements of the building taking into account the applicable standards and regulations.

4 The door leaf should be mounted on a door frame that provides the correct functional and performance characteristics.

5. FORTECA doors have an increased burglary resistance of RC2 or RC3 class.

HEALTH AND SAFETY IN USE AND MAINTENANCE

1. Remove soiling with a damp cloth. Excessive amounts of water can cause irreversible wrinkling of the veneer.

2. The guarantor is not responsible for any side effects of the cleaning agents. Before using them, it is advisable to carry out a test on a small area, in an inconspicuous place, by applying the agent to a cloth.

3. Protect against moisture and wetness.

4. It is strictly prohibited to:

- transport, handling and storage other than upright, placing on the lower edge of the

- installation and storage in unventilated, damp or very sunny rooms,

- cleaning and maintenance using chemical preparations containing corrosive substances, abrasive materials and substances that cause discolouration and damage,

- the dispensing of cleaning agents directly onto the veneered or painted surface,

- slamming, hanging heavy, wet, sticky objects, etc.

5. During installation, use and maintenance, the applicable occupational safety regulations must be strictly observed, in particular:

- read and follow the instructions on the mounting foam label,
- 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.

6. Any adjustments required due to deterioration of the functional features occurring during use must be carried out immediately by qualified fitters (out-of-warranty service with respect to the door manufacturer and the fitting company).

7. The product does not contain any dangerous substances as defined by Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.

BEFORE ASSEMBLY

1. Begin installation after wet construction work inside the building has been completed.

2. the constant humidity in the building should not exceed 60%.

3. Unpack and check for conformity with the order. Refrain from assembling the Defective Product.

4. Prepare a hole in the wall with the following parameters:

- determine the floor level,

- maintain vertical and horizontal (equal diagonals),

- opening wider than the outer dimension of the door by approx. 30 mm,

- opening higher than the outer dimension of the door by approx. 15 mm,

5. the use of qualified installation teams is recommended.

6. carry out the work in accordance with the rules of the trade.

MONTAGE

1. assemble the frame according to the assembly instructions supplied with the frame (not applicable to doors purchased with a pre-assembled frame).

2. protect the bottom unglued surface of the frame (base in contact with the substrate) with neutral silicone (not sanitary!)

3. align the frame in the light of the wall, observing the left-right function and the gaps between the frame and the wall.

4. Stabilise the frame in the opening with spacer blocks (between the frame and the wall) at the height of the top hinges, the lock and the threshold, and additionally two spacer blocks fixed on both sides of the frame head. Secure the spacers (e.g. with soft flannel) to protect them from damage.

5. use wedges to align the uprights in two planes, also checking the level of the frame lintel.

6. Fit door leaf, check functionality and adhesion of leaf to frame.



7. Remove the door leaf and remove the seal in the door frame.
8. Drill $\varnothing 6$ holes in the door frame (under the seal) for mm fixing screws. In doors of the RC2 and RC3 class (e.g.: Forteca), a minimum of four steel fixing screws per side with a minimum length of 130 mm and a diameter of 7 mm are required. Screw spacing measured from the bottom edge of the frame: 1/ 180 mm; 2/ 730 mm; 3/ 1280 mm; 4/ 1835 mm. Fix a minimum of one screw in the lintel.
9. Using a concrete drill $\varnothing 6$ mm in diameter, drill holes into the masonry to a minimum depth of 100 mm.
10. Fit the frame with expansion bolts suitable for to the substrate and approved for use and marketing (B or CE marking). Installation with mounting plates (anchors) is permissible.
11. Fit the sash and the gaskets in the frame and check the adhesion of the sash, adjusting the frame or hinge position if necessary. The process play in the rebate and gasket deflection is max. 3 mm.
12. It is recommended to use additional spacer strips between the spacer blocks to prevent the frame from deforming under the influence of foam expansion.
13. Fill the gaps evenly on both sides of the frame with low-foam installation foam, observing the foam manufacturer's recommendations. The durability and stability of the construction is improved by using high-quality mounting foam.

14. Remove excess foam and wedges after a minimum of 24 hours.
 15. install additional joint trims, e.g. bands, quarter rounds, cover strips.
 16. check again the operability of the doors by making the necessary adjustments. Check the efficiency of the locks by locking the door 3 times.
- Seal the junction between the frame and the floor with silicone (not applicable to installation on textile floor coverings). Protect the wooden threshold with wood preservatives. Note: It is only permissible to use wood preservatives suitable for woodwork. door sealants with a neutral curing system (oxime base) and low solvent content. The use of sanitary sealers and other preparations containing, among other things, acetic acid is strictly prohibited.
17. Install fittings (handles, knobs, escutcheons, peephole) in accordance with their instructions. Caution: Have functional impairments removed immediately by qualified fitters. Failure to observe the rules of the trade may result in irreparable damage (cracks, deformation, abrasion).

WALL OPENING DIMENSIONS (MM)

1-LEAF DOOR	WIDTH				HEIGHT*	
	"80N"	"80"	"90E**"	"100"	PL	CZ
FORTECA with wood/MDF cover	892	936	1036	1136	2088	-
FORTECA with hinged adjustable steel ring	865	910	1022	1110	2070	-
FORTECA with nut. large angle steel	840	885	997	1085	2060	-
HERSE SET with fixed wood/MDF fixed wood/MDF	872	912	1016	1112	2072	2025
HERSE SET with wood/MDF trim. adjustable wood/MDF	-	888	992	1082	2060	2013
HERSE SET with hinge adjustable steel ring	855	895	999	1095	2066	2019
HERSE SET with nut large angle steel	841	881	985	1081	2059	2012
HERSE SET WITH AXLE. steel united	-	899	1015	1099	2077	2030

* The symbol appears on the product's commercial label (above the EAN code), the above dimensions do not include the factory abbreviation.

** investment width (90ES - for steel frame)