

Package Contents

- 1. Frame.**
- 2. Door leaf.**
- 3. Fixing anchors - 6 pieces (or more - optional, depends on the design and model of the door).**
- 5. Door handles, cylinder, cylinder covers, keys, plugs - 6 pcs. (delivery set depends on design and model of door). If necessary mounting brackets to be purchased separately.**

Installation rules for the door unit

Installation of the door unit shall be performed by trained and qualified personnel.

Doors may not be installed during or before renovation work (plastering, painting, wallpapering, tiling, etc.) and for three days after completion.

We recommend installing the door unit in the outer wall of the house to make behind a wooden (plastic, aluminum) door. This, in most cases helps to avoid condensation on the inside of the metal door in the fall and winter and protect the outer surface from the effects of ultraviolet light and precipitation. If the door unit is installed as an entrance from the street, it is necessary to provide a canopy to protect the door unit from heavy rainfall, as well as the presence of a cold vestibule.

As a door unit used as an entrance from the street to the living space, only models with weatherproof finish are allowed, in which, with proper installation and arrangement of warm lining in normal operating conditions (humidity, temperature, the presence of ventilation in the premises) minimizes the appearance of condensation on the inside and, consequently, frostbite in winter.

It is not recommended to install the door as an entrance door from the street without a cold, ventilated vestibule at least one meter deep on the inside to eliminate the possibility of condensation or hoarfrost forming on the various parts and mechanisms of the door during the cold season.

Before installing the door unit it is necessary to:

- Check that the dimensions of the opening are correct. The opening must be 0.5-1 inches larger than the installation size of the door unit on each side to ensure installation clearances;**
- Check the door unit and hardware set for defects;**
- Clean the opening from any encrustation of mortar and concrete, debris, dust, and dirt (in winter - ice, snow, and hoarfrost). In reconstructed and repaired buildings - from the remnants of the dismantled door frames and caulk;**
- install the handle(s): install the square in the square hole of the lock with the matching grooves of the square and the threaded holes of the handle; put on the handle and fix it on the square with the locking screws;**

- Remove the door leaf from the hinges (the door leaf should be lifted up vertically);
 - install the door frame in the opening with the frame dowels (anchors), using the expansion and support blocks (wedges) that must not cause deformation of the product;
 - Drill a hole for the anchor, starting from the upper part of the hinge side (do not hammer the walls, except for concrete, using a drill bit long enough to prevent the drilling chuck from damaging the surface of the door frame; blow out the drill holes; the drilling depth must be at least one screw diameter larger than the anchor part) and anchor through the hole in the frame or through the mounting plate (it is RECOMMENDED to install doors with thermal break only through holes in the door frame)
- ! For walls of foam, gas, expanded clay aggregate, etc. - Only use a hammer drill in drilling mode**

! It is unacceptable to use nails, even of special design, to fix the frame in the opening.

Deviation of installed windows and doors from the verticality and flatness in the plane and from the plane of the opening must be not more than 0.07 inches at 40 inches of length; Deviation of the casing from the verticality and flatness must be not more than 0.07 inches.

After the alignment and temporary fixation the frame must be fixed in the opening with anchor screws, keeping the diagonals equal; hang the door leaf on the previously lubricated hinges and make sure that the product is level, the locks work softly, without effort and jamming, the leaf in the open position does not make independent movements;

- After fixing the door units the spacer blocks and wedges must be removed.

In the case of "outrigger mounting" use only reinforced plates (eyelets) with a minimum of 6 pieces on the vertical profiles of the door frame. Fasten the plates (eyelets) to the door frame profile with 4 self-tapping screws with press washers 4.2x19 mm for metal. Fix the door frame to the building opening with 2 anchor bolts in each plate (eyelet).

Caulking the gaps between the opening and the frame

Before the installation joints are made, the adjoining surfaces of the door frame and the opening must be cleaned of dust, dirt, oil stains, ice and frost. To protect the door frame from possible contact with the foam or cement-sand mortar, masking tape should be glued around the perimeter.

Installation gaps between the frame and the wall must be filled with sealing mortar (foam, cement-sand mortar, insulation materials, etc.) around the entire perimeter, including the cavity under the threshold. The installation gap shall be filled in layers, taking into account the ambient temperature and humidity conditions. Layers of the mounting seam around the entire perimeter of the

opening must be continuous and without gaps.