



CASING DOOR FRAME (ON) AND CASING FRAME TUNNEL (TN) - INSTALLATION INSTRUCTIONS

The product is designed to be mounted on an existing metal door frame without having to dismantle it. The product must be installed in indoor areas with slight temperature and humidity fluctuations, not exceeding 50%.

Before commencing the installation procedure, the contents of the packaging must be checked for quality and quantity, as well as its conformance to the actual order. The product must be installed on fully finished walls and floors after, all construction and finishing work has been completed. Do not install the door frame on a freshly built or plastered wall. The room must be dry with the humidity not exceeding 50%. Employing qualified installation teams is recommended. The work must be performed in line with the applicable rules of a good engineering practice.

Suggested clear opening width of the metal frame (in mm):

for single-leaf doors					
door width	"60"	"70"	"80"	"90"	"100"
opening width in metal door frame	598	698	798	898	998

The casing frame provided comprises the following components:
 - vertical bases (hooked base and hinged base);
 - top beam;
 - mounting accessories.

The following items are necessary to perform the installation work:
 manual or battery-powered screwdriver, spirit level, builder's square, spacers, spacer blocks, wedges, low-pressure fitting foam, sharp knife, silicone and tape measure.

Casing frames with a range exceeding 220 mm consist of 2 components, and casing frames above 360 mm consist of 3 or more components.

1. Carefully unpack the frame components and check the condition of the entire set.
2. Use a sharp knife to remove excess gaskets on each side of the beam and bases (not applicable to the "TN" version).
3. If the frame bases are too long and do not fit within the previous door frame, they must be shortened from the bottom.

4. Remove the door leaf from the previous door frame.
5. Remove all hinges and protruding parts that might interfere with the casing frame installation.
6. Attach the hinge seats with screws (not applicable to the "TN" version). The frame can be used to install both two- and three-hinged doors. In the case of two-hinged doors, the centre hinge seat must not be attached, and its opening must be sealed with the adhesive plug provided.



7. Remove the gaskets from the beams and bases (not applicable to the "TN" version).



8. Carefully remove the adjustable angle brackets and lay the vertical bases at the right angle to the beam, on a level surface.



9. Insert the metal fastener for the masking casings into the corresponding openings, and then clamp the connector with a Phillips screwdriver.



10. Insert the white and black fastener elements opposite each other into its holes respectively, and then insert the screws into the white element and screw them in until the gaps at the element joints are eliminated. Particular attention must be paid to precise joining of the casing strips on the veneer side.

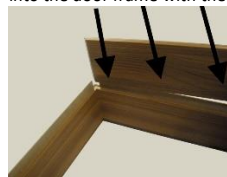


11. For frames with a range exceeding 220 mm, an extension panel set is required. It consists of two longer pieces for the bases and one shorter piece for the beam, plus a set of strips.

- Apply a small amount of silicone into the slots milled in the assembled door frame, and slide the strips attached to the extension panel into the slots.



- Apply a small amount of silicone into the slots milled in the expansion panel.
- Insert the expansion panel elements prepared in this way into the door frame with the slots inserted.



- Insert the white and black fastener elements opposite each other into the expansion panel fastening holes respectively, and then insert the screws into the white element and screw them in until the gaps at the element joints are eliminated. Particular attention must be paid to precise joining on the veneer side.
12. Place the door frame thus assembled in the previously prepared metal frame.
 13. To be on the safe side, the underside of the door frame can be protected against moisture with silicone.
 14. Stiffen the frame with spacer wedges and spacers to prevent door frame deformation on both sides, at the hinges, lock and sill.
 15. Use a spirit level to check the top beam and side beam levelling.
 16. Check that the clear opening dimensions of the door frame at the bottom, centre and top are identical.
 17. Screw the hinges into the previously attached sockets (not applicable to the "TN" version).



18. Fit the door leaf (not applicable to the "TN" version).
19. Check the door leaf and frame for correct operation and, in case any irregularity is detected, correct the setting of the door hinges and the frame or the setting of the wedges and spacers (not applicable to the "TN" version).
20. Remove the door leaf (not applicable to the "TR" version).
21. Inject the fitting foam between the frame and wall at the height of the spacers and leave for as long as recommended by the foam manufacturer. There are plastic profiles with holes underneath the previously removed seals, through which the foam must also be applied.



22. Once it has set, remove any excess foam.
23. There are holes in the lower parts of the hinges through which the holes in the frame (diameter of 3 mm) must be drilled, into which counter-screws must be screwed.



24. Twist the protruding casings (item 8 of the instruction) together using an eccentric joint, taking care to join them precisely on the veneer coated side.
25. Carefully insert the angle brackets thus assembled into the milled slots. To be on the safe side, they can be attached with silicone.



Notes on product use

Remove any soiling with a damp cloth (excessive water may cause the veneer to wrinkle). In the case of heavy soiling, use non-corrosive cleaning agents, but it is advisable to initially check them for any adverse impact on a small, concealed surface. Protect the product from moisture and water.