



Energy Safe Technologies

HINGED DOORS

Assembly Instructions



THANK YOU FOR CHOOSING PH INSULATION!

FOR YOUR SAFETY READ THE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.

CAUTION!

ALWAYS WEAR SAFETY GLASSES, MASK AND GLOVES WHEN INSTALLING.

ENGLISH

Important information
Read carefully
Keep this information for further reference

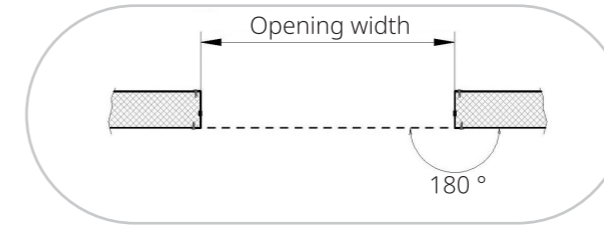
WARNING

Serious or fatal injuries can occur if packs of insulated panels or doors tip over. To prevent the panels or doors from falling, do not move the products alone or leave the products in an upright position unattended. The door kit includes fasteners. Please note that different wall materials require different door installation hardware.

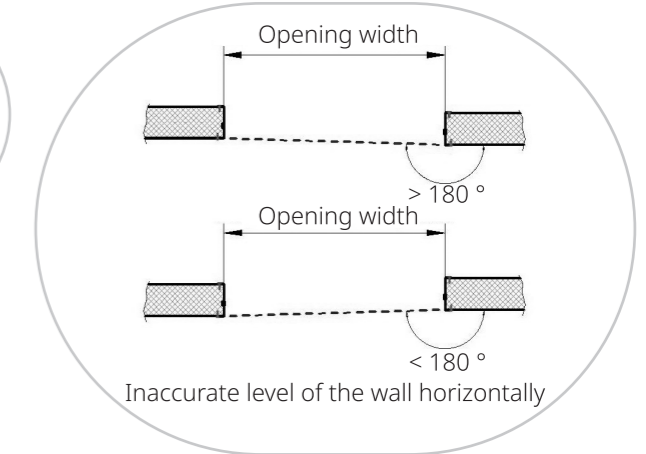
PREPARING THE OPENING FOR DOOR INSTALLATION

Marking the doorway can be done both on an already installed wall or on the separate panels before their installation. Remember that an allowance of 3 mm must be added to the height and width of the opening for the subsequent installation of the door frame elements. Vertical and horizontal marking lines should be strictly perpendicular to each other. The appearance of the doorway will depend on accurate marking.

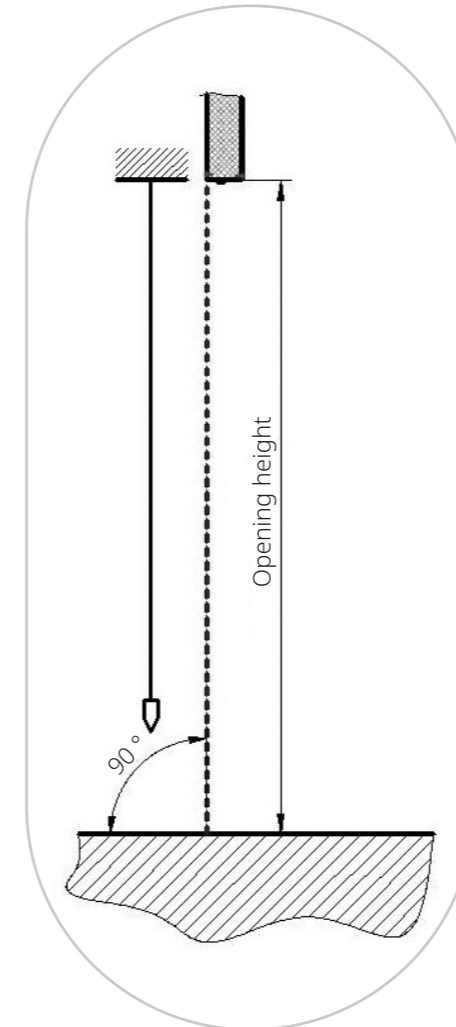
CORRECT



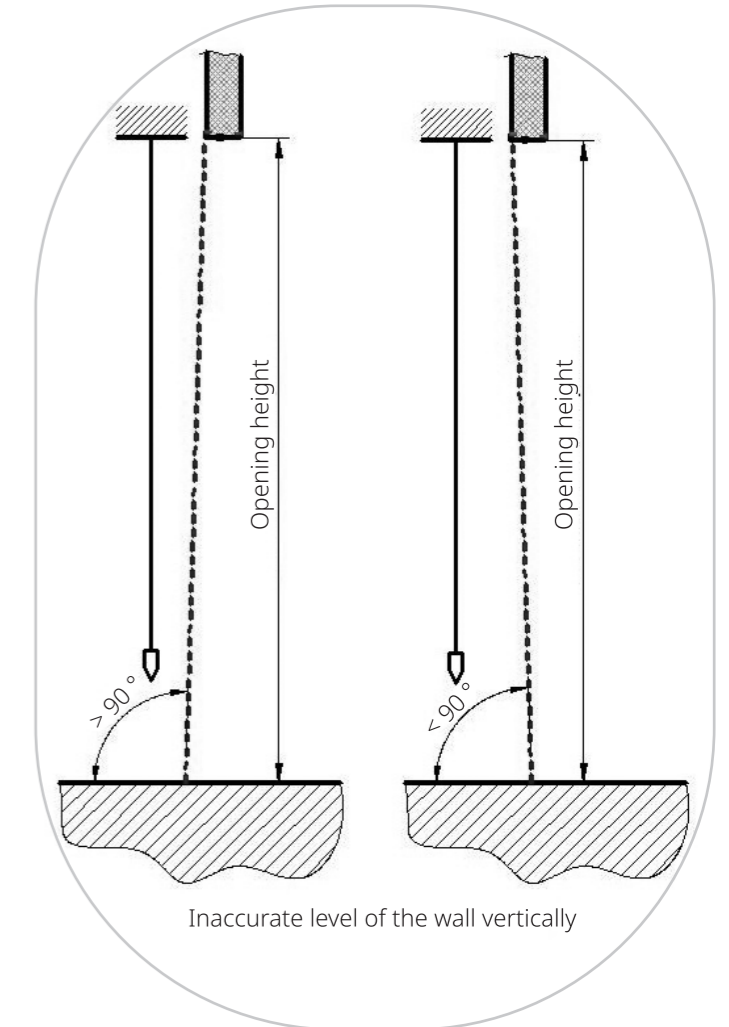
INCORRECT



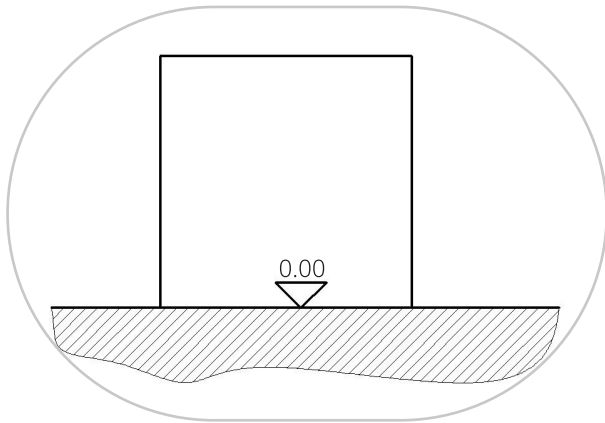
CORRECT



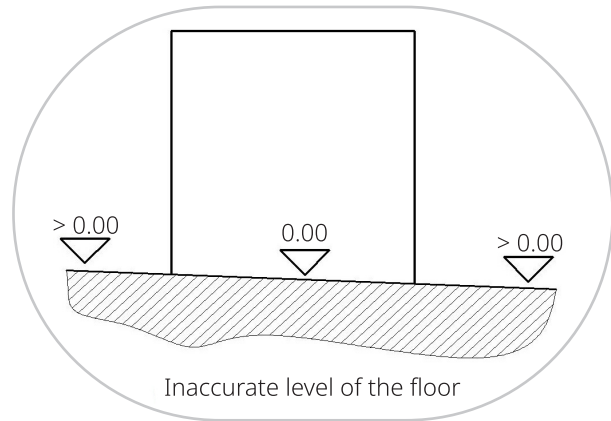
INCORRECT



CORRECT



INCORRECT



Use an electric jigsaw to cut the opening. The opening can take up several wall panels, or completely fit into one of them. The edges of the opening should be finished with a knife, removing any protruding pieces of polyurethane foam. If the opening was cut in the panels before installation, then upon completion of its assembly, they must be installed in correct final position.

When installing the panels, they must be level, it is important to monitor and ensure there is no deviation of the wall itself from the true vertical. After installation, the wall must be checked for flat surface accuracy using a long spirit level, 3 m. There can be no variation in the height of the panels where they join.

The shaped profile should be assembled with two angle profiles and a docking plastic profile. The framing of the doorway is highly visible and made for decoration, therefore, special attention should be paid to the joints at the corners. It should be fastened with self-tapping screws 4.2x16 or blind rivets 4x6.

INSTALLATION OF HINGED DOORS WITH A METAL FRAME

Door types:

HSLD Hinged Single Leaf Door

HSLD H Hinged Single Leaf Door Half-Hidden

HDLD Hinged Double Leaf Door

Before installing the doors, check their conditions and ensure that they were not damaged during transportation. Check the dimensions of the opening against the dimensions indicated in the door specification. Any deviation of the dimensions of the width and height of the opening cannot exceed ± 3 mm.

1. Remove the door leaf from the hinges.
2. Install the frame into the opening and check both levels: the posts vertically and the cross-beam horizontally.
3. Mark the fastening holes for the frame on the wall.
4. Using a drill with a 9 mm drill bit, make holes into the wall of the sandwich panels where the markings are. It is important to ensure the perpendicularity (90 degrees angle) of the holes to the surface of the sandwich panel wall. If fastening the frame to a brick wall, make blind holes with a 10 mm drill bit to a depth of 80-100 mm.
5. On the reverse side of the leaf, drill a hole of diameter 19-24 mm using a drill or "hole saw".
6. If necessary, on the reverse side of the frame, at the point where the rubber seal is fitted, fix the heating wire using adhesive foil.
7. Around the perimeter of the frame, glue the PPE 3x10 sealing tape to break the cold bridge. The edge of the tape should line up with the inner edge of the frame.
8. Secure the frame to the opening. Before the final tightening of the fastening nuts, check the level of the frame both vertically and horizontally.
9. Hang the door leaf on the hinges and tighten the fastening elements. Adjust the clamp of the seal and the position of the leaf relative to the opening.
10. Check the operation of the lock, the tightness of the door leaf to the frame, and the ease of opening and closing the door. If the door comes without a threshold, make sure that there is no gap between the edge of the leaf and the floor.

Questions or missing parts?

Call WhatsApp +7 (925) 745-01-37
or ask your manager at PH Insulation.

