

Expandable Container House Installation Guidance



One、 Product Introduction

The expandable container house is an innovative residential design concept that has attracted much attention for its unique structure and space utilization. The design of the house is inspired by the natural shape of spread wings, creating a more spacious, airy and flexible living space through the wingspan on both sides of the structure. 。

Two、 Installation Guidance

[1] Preparation before installation

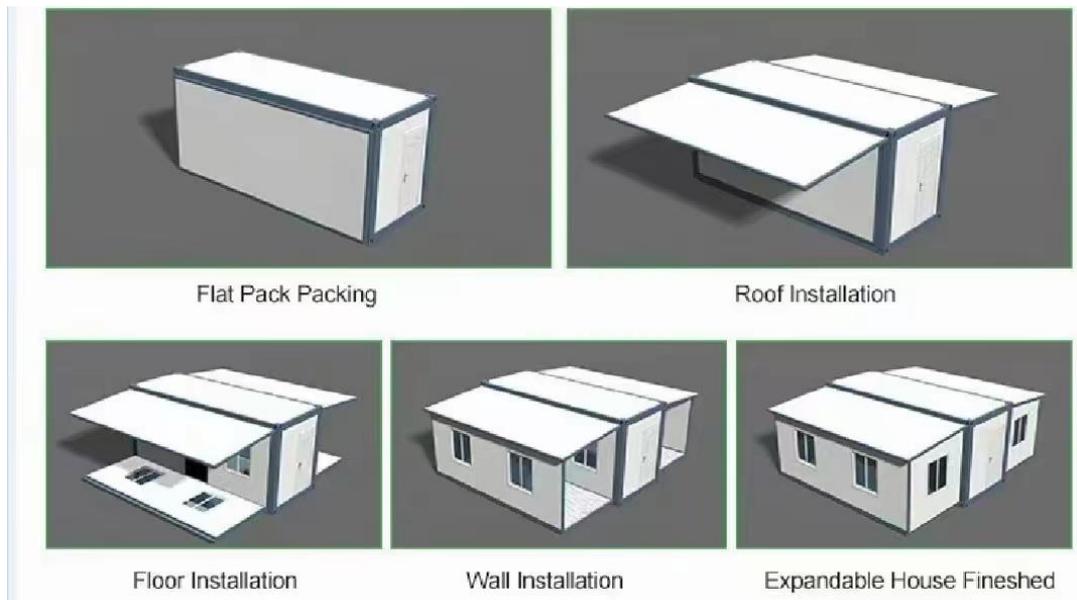
Before installing the house, you need a level ground or support point. It should be super flat. The main body of the house should be placed directly on the ground. A 20-foot expandable container house needs 40mm support points on both sides, and a 40-foot expandable container house needs 80mm support points on both sides, with at least three support points on one side. Determine whether piling is required to install the foundation based on the specific ground conditions (generally, soft ground such as beaches and mud requires foundation installation)

[2] Things to prepare for installation

- Installation without a manual winch requires at least six people;
- You need to prepare gloves, helmets, electric drills, electric wrenches or spanners and other tools;
- When you start to open the top plate, after the top plate opens a gap, please note that at least two people are required to push the inner vertical plate by hand, and then check whether the inner vertical plate has signs of movement; check whether the latch device inside is in a locked state or damaged. Avoid the top plate rising and the folding surface latch device inside is damaged, causing it to fall directly and cause an accident.

[3] Installation steps

- 1) To unfold the main wall panels on both sides of the house: first open the packaging of the house and the shipping screws, then lift or prop up the outermost roofs on both sides of the house, then open the fixings (latches) on the inner side bottom, slowly lower the floor, then open the side wall panels of the house, and finally unfold the front and back wall panels of the house, as shown below, or refer to the video. Please refer to the video of house unfolding.



- 2) Fix the fixing screws around the house's exterior wall panels. If the reserved bolt holes are deviated, please fine-tune the height of the nearby pads until the screws can be inserted.

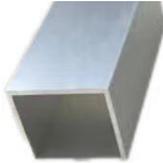


- 3) Check whether the waterproof tape at the gap between the side top plate and the main top is damaged. If damaged, please re-glue and stick the waterproof tape; and re-glue and stick the waterproof tape at both ends of the gap.
- 4) Use glue gun to apply glue to the gaps inside the room.
- 5) Install handles for the main entrance door, bedroom doors and windows (<https://www.dhxcontainer.com/video/handle-installation.html>)
- 6) Install the mouth piece on the left side of the door (<https://www.dhxcontainer.com/video/mouth-piece-installation.html>)
- 7) Installing gap (<https://www.dhxcontainer.com/video/floor-gap-installation.html>)
- 8) Install socket/switch (Please refer to the socket installation video)
- 9) Install skirt (<https://www.dhxcontainer.com/video/skirting-boards-installation.html>)
- 10) Install sink (<https://www.dhxcontainer.com/video/sink-installation-1.html>)

1. Parts List

Table 1. Accessories list and description

Name	Function	Picture
two boxes of structural adhesive (one box each of white and gray)	It can be used to reinforce and bond gaps in wall panels, roofs, doors and windows to prevent water and air leakage.	
1 glue gun	Tools for applying glue (or squeezing glue)	
20 gray rivets	Building the wall panels	
20 25# nails	Build exterior wall panels and fix lights	
20 6# nails	Building the roof	
15 meters of Waterproof tape	Waterproof, sealing, insulating, can be used in the folding gaps of wall panels	
1 Phillips bit	For tightening or loosening cross-shaped screws	
12 meters of D-shaped sealing strip	Used for outdoor gap sealing, shock absorption, waterproofing, sound	

M10*30 screws, 20 flat washers each	Fix the four corners of the wall panel	
3 door stops (depending on the number of doors)	Prevent door handles from hitting the wall	
2 bedroom door lock cylinders (depending on the number of bedrooms)	Main parts for controlling the lock opening	
2 bedroom door handles (depending on the number of bedrooms)	Easier and more convenient when opening and closing the door	
Main door key	Lock picking tools	
8 window handles (depending on the number of windows purchased)	Help opening and closing windows	
4 aluminum bars	For covering floor gaps	
6 pieces of 40*60 material heads	Place pads under the four corners of the bottom wall to keep balance	
2 plug caps	Used to block the bolt hole of the roof, with sealing effect	
1 roll of raw tape	Wrap around faucet to prevent water leakage	

1 outdoor industrial plug male	Indoor main power supply, main line plug	
Main entrance door package (upon request)	Fixing doors, protecting corners, decoration	

2. Important Notes

- The wall of this product is heavy, please pay attention to safety during installation.
- The warranty period for this product is one year.