



Zhongnan Steel Structure

# Flat Pack Container House



NO.0002

PRODUCT NAME



**Application scenario**



**Product advantages**

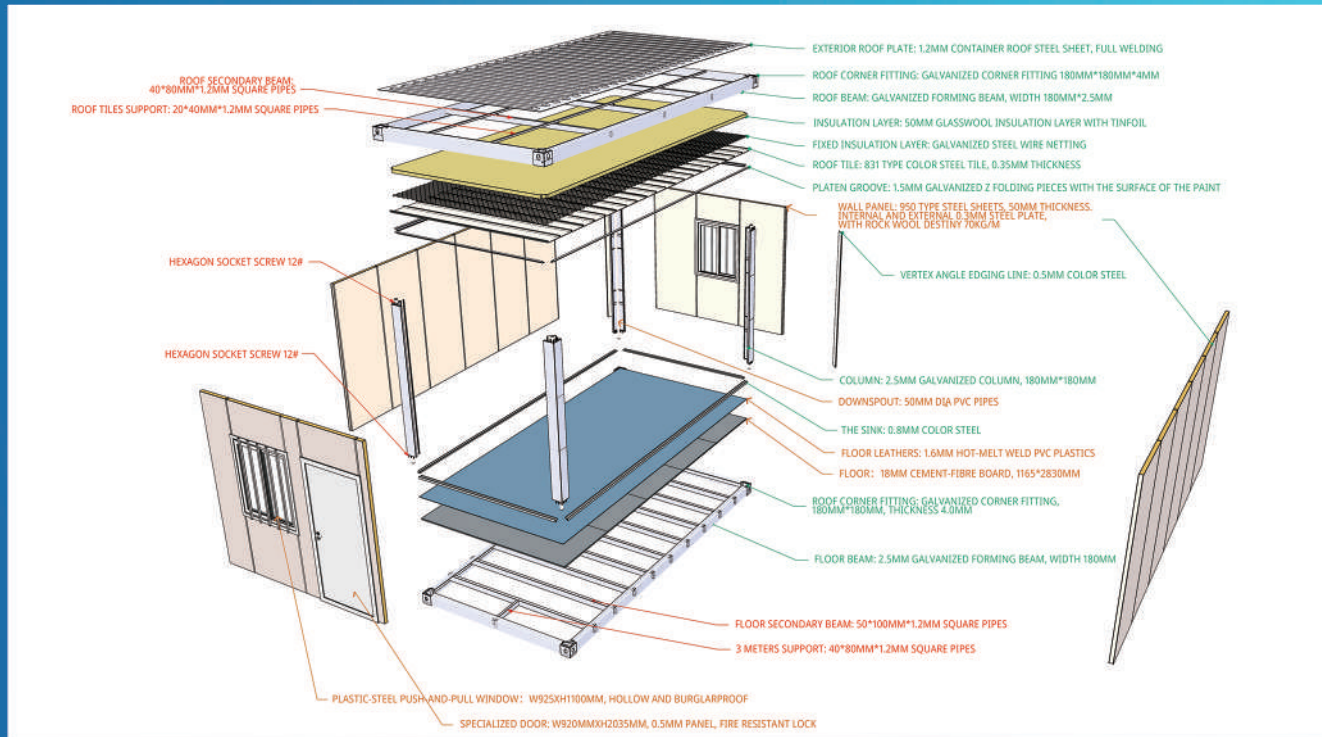


**Technical specifications**

## PRODUCT PARAMETER

SPECIFICATIONS	DETAIL	
Outline dimension	5800mm(L) * 2438mm(W) * 2900mm(H)	
Door	Special door for packaging box, 920mm(W) * 2035mm(H), 0.5mm panel, fireproof lock	
Window	Plastic steel sliding window, 925mm(W) * 1100mm(H), hollow+anti-theft	
Fire floor	18mm cement fiber board 2830mm(L) * 1165mm(W)	
Wallboard	950 type, 50mm thick, 0.3mm steel plate, rock wool unit weight 70kg/m <sup>3</sup>	
Bread topping	1.2mm sea freight box top plate, fully welded and spliced	
Suspended ceiling tile	0.35mm thick, 831 type color steel ceiling tile	
Cabinet Parameters	Wind-resistant performance	0.50KN/m <sup>3</sup>
	Sound insulation performance	Insulation level ≥ 25dB
	Fire performance	A-level
	Waterproof performance	Organized sewer drainage
	Seismic performance	Level 8
	Ground live load	2.0KN/m <sup>3</sup>
	Roof live load	1.0KN/m <sup>3</sup>
Design Life	20+ years	

# FLAT PACK CONTAINER HOUSE EXPLODED VIEW



## FLAT PACK CONTAINER HOUSE PRODUCT INTRODUCTION

FLAT PACK CONTAINER HOUSE REFER TO THE TRANSFORMATION AND DECORATION OF CONTAINERS INTO INDEPENDENT RESIDENTIAL OR OFFICE SPACES, AND THE PROVISION OF COMFORTABLE LIVING OR WORKING CONDITIONS THROUGH A SERIES OF TASKS INCLUDING INFRASTRUCTURE, INTERIOR DECORATION, FURNITURE AND EQUIPMENT.

THE FOLLOWING ARE THE GENERAL STEPS FOR PACKAGING A CONTAINER HOUSE:

- 1. PREPARATORY WORK:** DETERMINE THE NUMBER AND TYPE OF CONTAINERS REQUIRED, PLAN THE SITE, OBTAIN RELEVANT BUILDING PERMITS AND APPROVAL DOCUMENTS. CONDUCT SITE LEVELING AND INFRASTRUCTURE LAYOUT, SUCH AS ELECTRICITY, WATER SOURCES, DRAINAGE, ETC.
- 2. CONTAINER SELECTION AND PREPARATION:** SELECT THE CORRESPONDING CONTAINER AS THE BUILDING MATERIAL. CONTAINERS SHOULD MEET SOME BASIC REQUIREMENTS, SUCH AS STABLE STRUCTURE, DURABLE MATERIALS, AND NO SERIOUS DAMAGE. AT THE SAME TIME, NECESSARY PREPARATION WORK SHOULD BE CARRIED OUT, SUCH AS CLEANING, RUST REMOVAL, AND SPRAYING ANTI RUST PAINT.
- 3. STRUCTURAL DESIGN AND CONSTRUCTION:** DETERMINE THE LAYOUT AND INTERNAL PARTITIONS OF THE CONTAINER ACCORDING TO THE REQUIREMENTS, INCLUDING ROOM DIVISION, DOOR AND WINDOW POSITIONS, INTERNAL DECORATION MATERIALS, ETC. PERFORM CONTAINER CUTTING AND CONNECTION WORK, CONNECTING MULTIPLE CONTAINERS INTO THE REQUIRED SPACE.
- 4. INTERIOR DECORATION:** CONDUCT INTERIOR DECORATION WORK, INCLUDING THE DECORATION OF WALLS, FLOORS, CEILINGS, ETC. SELECT SUITABLE MATERIALS SUCH AS BOARDS, PAINT SURFACES, FLOOR TILES, ETC., AND INSTALL AND DECORATE ACCORDING TO DESIGN REQUIREMENTS.
- 5. INDOOR FACILITY INSTALLATION:** INSTALL RELEVANT FACILITIES AND EQUIPMENT AS NEEDED, SUCH AS ELECTRICAL SYSTEMS, WATER PIPES, BATHROOM EQUIPMENT, AIR CONDITIONING SYSTEMS, ETC. ENSURE THE REASONABLE LAYOUT AND NORMAL OPERATION OF EQUIPMENT AND SYSTEMS.
- 6. FURNITURE AND DECORATION:** SELECT SUITABLE FURNITURE AND DECORATIONS, SUCH AS BEDS, SOFAS, TABLES AND CHAIRS, LIGHTING EQUIPMENT, ETC., AND ARRANGE THEM ACCORDINGLY.
- 7. ACCEPTANCE AND INSPECTION:** CONDUCT QUALITY ACCEPTANCE AND SAFETY INSPECTION OF THE CONTAINER HOUSE TO ENSURE THAT THE HOUSE MEETS RELEVANT STANDARDS AND REGULATIONS. CHECK THE STABILITY OF THE STRUCTURE, NORMAL OPERATION OF EQUIPMENT, FIRE SAFETY, AND OTHER ASPECTS.



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# INTRODUCTION TO FLAT PACK CONTAINER HOUSE DETAILS

Top secondary beam: 40 \* 80mm square tube × 1.2mm

Top tile support: 20 \* 40mm square tube × 1.2mm

Plastic steel sliding window: W925 × H1100mm, hollow+anti-theft

Special door for packaging box: W920mm × H2035mm, 0.5mm panel, fireproof lock

Outer top: 1.2mm sea box top plate, fully welded and spliced

Corner head: galvanized corner piece 180mm \* 180mm, thickness 4.0mm

Top main beam: 2.5mm galvanized formed crossbeam with a width of 180mm

Insulation layer: 50mm thick glass wool insulation cotton with tin foil

Fixed insulation layer: galvanized steel wire mesh

Inner top tile: 0.35mm thick, 831 type color steel tile

Plate groove: 1.5mm galvanized Z-shaped folding piece, painted

Wall panel: 950 type, 50mm thick, 0.3mm steel plate inside and outside, rock wool unit weight 70kg/m

Column edge wrapping: 0.5mm thick color steel folding piece

Column: 2.5mm galvanized column, 180mm \* 180mm

Downpipe: 50mm diameter PVC pipe

Counter sink: 0.8mm color steel folding piece

Floor leather: 1.6mm PVC plastic, hot melt welded seam

Floor: 18mm cement fiber board 1165 × 2830mm

Corner head: galvanized corner piece 180mm \* 180mm, thickness 4.0mm

Bottom main beam: 2.5mm galvanized formed crossbeam with a width of 180mm

Bottom beam: 50 \* 100mm square tube × 1.2mm

3-meter surface support: 40 \* 80mm square tube × 1.2mm

