



Zhongnan Steel Structure

Assembled Container



NO.0001

PRODUCT NAME



**APPLICATION
SCENARIO**



**PRODUCT
ADVANTAGES**



**TECHNICAL
SPECIFICATIONS**

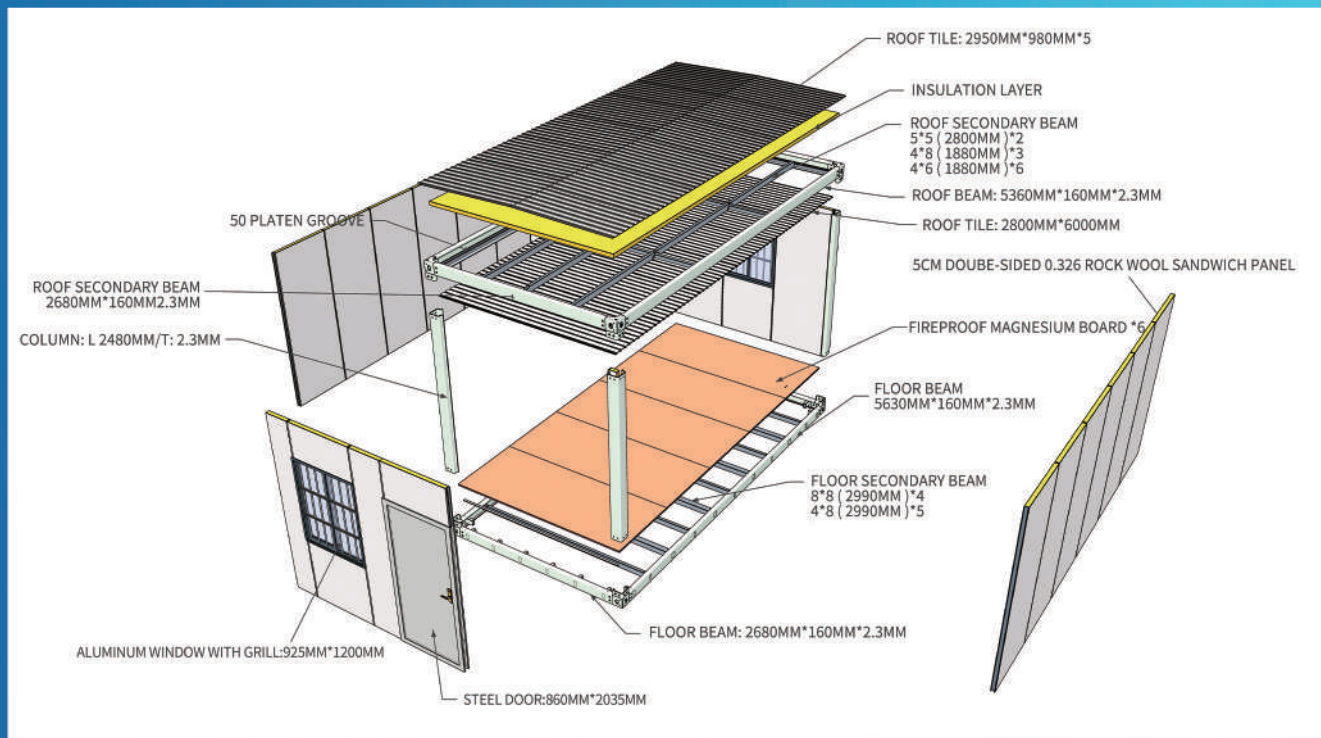
PRODUCT PARAMETER

SPECIFICATIONS	DETAIL	
OUTLINE DIMENSION	5950(L) *3000(W) *2800(H)	
DOOR	925*2035mm plastic-sprayed steel handle door	
WINDOW	925*1200mm	
FIRE FLOOR	A-class fireproof glass-magnesium board	
50 TONGUE AND GROOVE PLATE	double-sided 0.3 rock wool sandwich board	
TOP TILE	Special tile and flat ceiling for 980 container	
ANGULAR LINE	Surrounding columns, upper and lower straight edges, and upper and lower horizontal edges	
TECHNICAL DATA	BOTTOM BEARING	1.00kN/m ²
	ROOF BEARING	0.5kN/m ²
	WIND LOADING	0.40kN/m ²
	SEISMIC GRADE	8
	FIRE-PROTECTION RATING	Class a incombustible
	FIRE-PROTECTION RATING	0.6w/m ²
	DISASSEMBLY TIMES	10+
	LIFE	10-15 years

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EXPLODED VIEW OF ASSEMBLED CONTAINERS



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ASSEMBLED CONTAINER HOUSES REFER TO THE PROCESS OF COMBINING MULTIPLE CONTAINER ACCESSORIES TOGETHER TO FORM A COMPLETE HOUSE STRUCTURE. IT HAS THE CHARACTERISTICS OF BEING FAST, FLEXIBLE, AND MOBILE, GRADUALLY BECOMING AN INNOVATIVE BUILDING METHOD IN THE FIELD OF MODERN ARCHITECTURE.

ASSEMBLED CONTAINERS HAVE A WIDE RANGE OF APPLICATIONS, AND THE FOLLOWING ARE SOME COMMON APPLICATION AREAS:

TEMPORARY ACCOMMODATION: ASSEMBLED CONTAINERS CAN BE USED AS TEMPORARY ACCOMMODATION, SUCH AS DORMITORIES FOR CONSTRUCTION WORKERS ON CONSTRUCTION SITES, TEMPORARY RESETTLEMENT HOUSES FOR DISASTER RELIEF SITES, ETC.

OFFICE SPACE: IT CAN BE QUICKLY BUILT INTO AN OFFICE AND IS SUITABLE FOR TEMPORARY OFFICE SPACES, ON-SITE WORK ON CONSTRUCTION SITES, AND OTHER NEEDS.

COMMERCIAL USE: CAN BE CONVERTED INTO SHOPS, CAFES, RESTAURANTS, MOBILE KIOSKS, ETC. TO MEET VARIOUS RETAIL AND SERVICE NEEDS.

TOURIST RESORT: IT CAN BE USED TO CREATE CHARACTERISTIC HOME STAY, HOLIDAY HOME, CAMPING PARKING SPACE, ETC., TO PROVIDE UNIQUE ACCOMMODATION EXPERIENCE FOR TOURIST ATTRACTIONS.

EDUCATIONAL FACILITIES: CAN BE TRANSFORMED INTO EDUCATIONAL INSTITUTIONS SUCH AS SCHOOLS, LIBRARIES, AND TRAINING CENTERS, PROVIDING CONVENIENCE FOR TEMPORARY OR REMOTE TEACHING.

MEDICAL FACILITIES: CAN BE USED AS MEDICAL AND HEALTH STATIONS, MOBILE CLINICS, FIRST AID POINTS, ETC., TO PROVIDE BASIC MEDICAL SECURITY IN EMERGENCY SITUATIONS.

ART AND CREATIVE SPACE: USED TO DISPLAY ARTWORKS, HOLD CULTURAL ACTIVITIES, TEMPORARY EXHIBITIONS, ETC., PROVIDING FLEXIBLE SPACE FOR THE CREATIVE INDUSTRY.

COMPARED TO TRADITIONAL BUILDINGS, THE CONSTRUCTION SPEED OF PREFABRICATED CONTAINER HOUSES IS FASTER. IT CAN BE PREFABRICATED IN THE FACTORY AND THEN ASSEMBLED ON-SITE, SAVING CONSTRUCTION TIME AND REDUCING ENVIRONMENTAL INTERFERENCE.



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ASSEMBLING CONTAINER ACCESSORIES

WALL PANEL: 50MM DOUBLE-SIDED 0.326 ROCK WOOL COLOR STEEL SANDWICH PANEL IS USED. 50, 70 GRAND ROCK WOOL, 5G NON FLAME RETARDANT FOAM, 8G, 11G, 12G FLAME RETARDANT FOAM, 40 GRAND GLASS WOOL.

BOTTOM FRAME: THE MAIN STEEL FRAME ADOPTS 2.3MM STEEL PLATE BENDING PARTS, AND THE SECONDARY STEEL FRAME OF THE BOTTOM FRAME ADOPTS 2.3MM STEEL PLATE BENDING PARTS.

CORNER COLUMN: MADE OF 2.3MM STEEL PLATE BENT PARTS, CONNECTED TO THE TOP AND BOTTOM FRAMES WITH BOLTS.

TOP FRAME MAIN BEAM: USING 2.3MM STEEL PLATE BENDING PARTS

TOP FRAME SECONDARY BEAM: 50 * 50 * 2800 SQUARE TUBE+40 * 80 * 1880 SQUARE TUBE+40 * 60 * 1880 SQUARE TUBE.

DOOR: 860MM * 2035MM PLASTIC STEEL DOOR.

WINDOW: 925MM * 1200MM PLASTIC STEEL SLIDING WINDOW.

FLOOR: 18MM FIREPROOF GLASS MAGNESIUM PLATE IS USED AND FIXED WITH STEEL BOTTOM FRAME WITH SELF-TAPPING SCREW.

PAINT: WHITE TOPCOAT CAN BE USED ACCORDING TO SPECIFIC NEEDS.

AFTER THE ASSEMBLY OF THE TOP AND BOTTOM OF THE BOX IS COMPLETED, AN ERROR OF NO MORE THAN ± 3 MM IS ALLOWED IN THE DIAGONAL DIRECTION OF THE BOX WIDTH AND LENGTH.

ASSEMBLY MODE: TOP+BOTTOM+COLUMN

OVERALL, ASSEMBLED CONTAINERS HAVE ADVANTAGES SUCH AS RAPID CONSTRUCTION, FLEXIBILITY, ECONOMY, MOBILITY, AND DURABILITY, AND ARE SUITABLE FOR VARIOUS APPLICATION SCENARIOS, INCLUDING TEMPORARY BUILDINGS, CONSTRUCTION SITE OFFICES, RESIDENTIAL, COMMERCIAL SPACES, ETC. HOWEVER, IT IS NECESSARY TO DESIGN AND CONSTRUCT REASONABLY BASED ON SPECIFIC NEEDS AND LOCAL REGULATIONS TO ENSURE THE SAFETY AND QUALITY OF THE BUILDING.

