ARCHI

FLAT-PACK CONTAINER HOUSE

(6000×2438×2591mm)

PATENTED TECHNOLOGY

We owns patent ofintegrated roof PU foamingtechnology which makes theroof thickness 70mm. Theroof has an excellentperformance,it can bear theweight of up to 1000kg, willnever have the leakage issueand it has an outstandingdegree of insulation.

LONG LIFE-SPAN

We have the thorough quality control system. We ensure all the material we use for our products meet the particular standard. For the main frame, all steel material are hot-galavinzed, all wall panels are integrated processed. Overall leads to an up to 30 years life-span of the product.

EASY TO INSTALL

With the integrated roof and floor, the set up of ARCHI's flat-pack container is super easy. We also provide the detailed installation instruction drawings and video. For specific projects, we can send our engineers as supervisors on site.

HENAN ARCHI INNOVATION TECHNOLOGY CO., LTD
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TECHNICAL SPECIFICATION

COMPONENT NAME		TECHNICAL PARAMETERS
Steel Frame	Bottom Corner Fitting	Section: 210x150x170x4.5mm. Surface Treatment: Galvanized + Spray Coated
	Top Corner Fitting	Section: 210x150x180x4.5mm. Surface Treatment: Galvanized + Spray Coated
	Floor Main Beam	Floor Long Beam Thickness: 3mm, Floor Short Beam Thickness: 2.5mm. Surface Treatment: Hot Dip Galvanized + Spray Coated
	Roof Main Beam	Roof Long Beam Thickness: 3mm, Roof Short Beam Thickness: 2.5mm. Surface Treatment: Hot Dip Galvanized + Spray Coated
	Steel Column	Section: 210x150x40mm, Optional Thickness: 3mm, 2.5mm. Surface Treatment: Hot Dip Galvanized + Spray Coated
	Floor Secondary Beam	Section: Joint Square Tube: 100x60x1.5, Others: C100x50x1.8mm. Surface Treatment: Hot Dip Galvanized + Spray Coated
Container House CTR-FC1	Roof Panel	Thickness: 60mm, 70mm; PU Foam Integral Molding.
	Floor Covering Board	18mm Thickness Cement Fiber Board or 18mm Thickness Calcium Silicate Board.
	Floor Decorative Board	1.8mm Thickness PVC. Color: Wood Grain, Blue Grey.
	Decorative Panel for Bathroom Floor	2.5mm Thichness PVC. Color: Gery Dots.
	Steel Door	Size Specification: Width 920mm*Height 2035mm; Width 840mm*Height 2035mm. Color: White Grey.
	Bathroom Interior Door	Size Specification: Width 800mm*Height 2000mm. Aluminum Alloy Folding Door.
	Sliding Window	Size Specification: Width 930mm*Height 1100mm; Width 800mm*Height 1100mm; Material: Plastic-Steel or Aluminum Alloy. Color: White Grey, Medium Grey.
	Exhaust Fan	Size Specification: 5 Inch PVC Round.
	External Wall	Thickness Specification: 50mm, 75mm, 100mm. Core Material: TPS, PU, Rockwool.
	Interior Wall	Thickness Specification: 50mm. Core Material: TPS, PU, Rockwool.
	Rain Pipe	Specification: φ50mm PVC Pipe.
	Shower Facility	Showerhead
	Toilet	Ceramic
	Washbasin + Faucet	Ceramic
	Power	IEC, CE, UL
	Wind Load	200km/h
	Floor Live Load	2.5KN/m2
	Roof Live Load	1.0KN/m2
	Frame Color	Red, Blue, Medium Grey, White Grey
	Packaging Method	40ft High Cube Container
	Number of Units per Container	7-8 sets

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FOLDABLE CONTAINER

(6000×3010×2590mm)

1

2 people and 2 minutes to complete a group.

2

Save transportation cost.

3

15-20 years servie life.

4

60% lower than the traditional construction cost.

5

No construction waste in the construction site.

6

20 mins 1 house.

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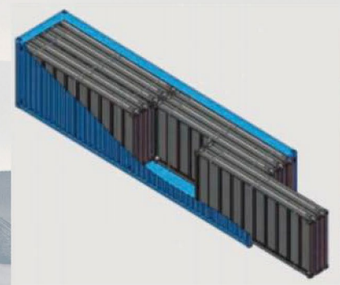
TECHNICAL SPECIFICATION

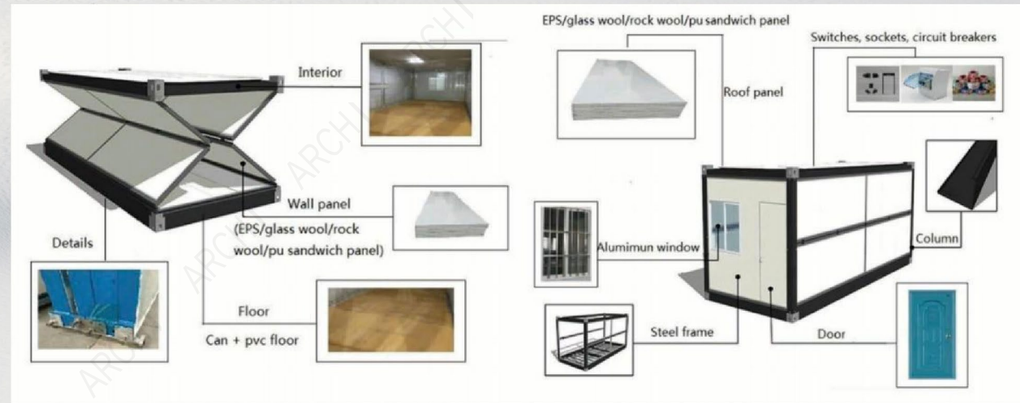
/	TECHNICAL PARAMETERS
Section	20ft External Dimensions(L×W×H):5.9×2.5×2.54m
Section	20ft Internal Dimensions(L×W×H):5.730×2.38×2.41m
Structure	Galvanized cold rolledsection steel
Wall	50mm thick EPS sandwich panel, Class A fire
Roof	0.38mm thick galvanized color steel plate+50mm glass wool
Floor	18mm Mgo board
Live load	200kg/m^2
Wind resistance efficient	40m/s
Insulation efficient	>R3.5
Used life	More than 13 years

STRATEGY & COMMITMENTS



• OPION 1 •
Container size: 5900×2500×2470mm
Package method: Flat pack
Loading Qty: 10 units per 40ft HQ

• OPION 2 •
Container size: 5900×2990×2760mm
Package method: Flat pack
Loading Qty: 8 units per 40ft OT



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EXPANDABLE FOLDING CONTAINER

Installation Dimensions
5900L × 6320W × 2480H mm

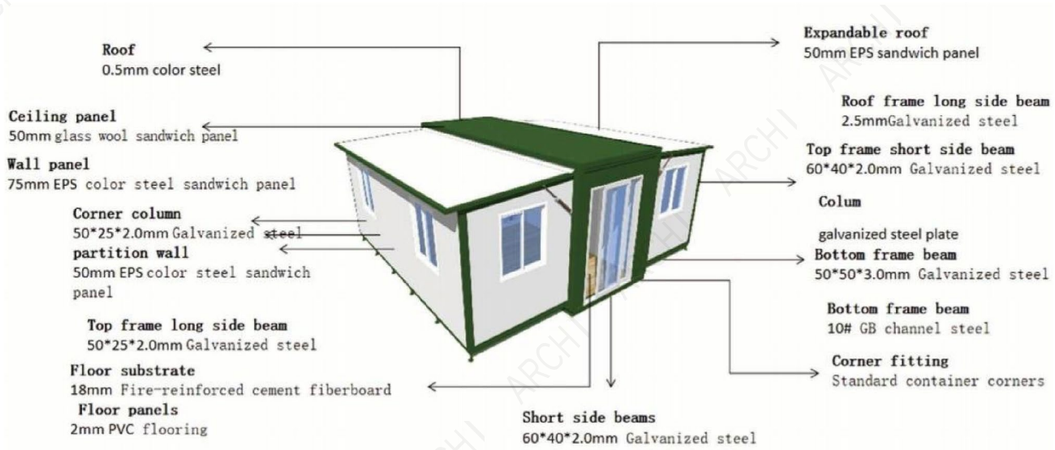
Folded Dimensions
5900L × 2200W × 2480H mm

1
Nice appearance

2
3 in 1 house

3
Quick Installation-15 mins

4
Customizability



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TECHNICAL SPECIFICATION

/	TECHNICAL PARAMETERS
Thickness	The thickness of the colorsteel composite plate:75mm
Specifldation	Outer orange peel, inner flat
The coreinsulation	EPS polystyrene board
Bulk density	10-12kg/m^3
Combustion Performance	Class A non-combustible
Thickness	Thickness of the surfacecoated steel plate: 0.3mm inside and outside

LAYOUT REFERENCE

INSTALLATION

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DOUBLE Z FOLDING CONTAINER

(5800×2500×2560mm)

1
40% cheaper than flat pack container

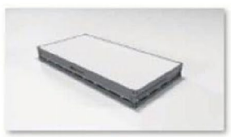
2
Inner drainage systerm

3
Stack up to 3 floors

4
Fast installation, 20 mins 1 house

5
Electricity pre-assembled

6
20 mins 1 house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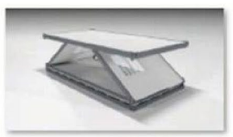
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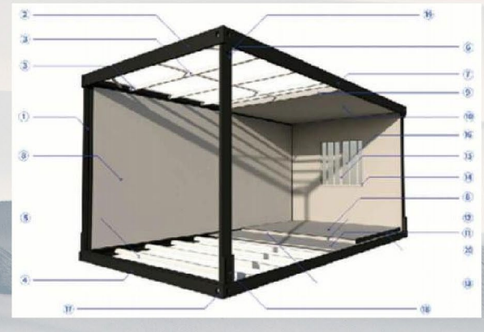
/	TECHNICAL PARAMETERS
Section	20ft External Dimensions(L×W×H):5.9×2.5×2.47m
Section	20ft Internal Dimensions(L×W×H):5.9×2.34×2.28m
Structure	Galvanized cold rolledsection steel
Wall	50mm thick rock wool sandwich panel, Class A fire
Roof	0.4mm thick galvanized color steel plate+50mm rock wool
Floor	18mm fireproof cement fiber board with 1.6mm PVC flooring
Live load	200kg/m²
Wind resistance efficient	45m/s
Insulation efficient	>R3.5
Used life	More than 15 years

MORE DETAIL



1) Column, 2.5mm roller beam;

2) Roof main beam, 2.3mm roller beam;

3)Roof secondary beam, 1.0mm galvanized-cold-rolled steel C-typ;

4) Ground main beam, 2.3mm roller beam;

5) Ground secondary beam, L5mm galvanized-cold-rolled steel C-type;

6) Bolt, Grade 8.8 high-strength bolt;

7) Paint,electrostatic spraying plastic powder baking paint;

8) Roof panel,t=0.45mm thick aluminum zinccoated color steel plate

9) Insulation cotton, 50mm glass wool felt;

10) Suspended ceiling board, 0.3mm thick color steel plate suspended ceiling;

11) Base plate, 18mm fireproof glass magnesium plate;

12) Thickness, 50mm thick color steel rock wool sandwich board;

13) Insulation, 0.3mm aluminum zinc coated color steel plate;

14) Specification 950mm×1100mm;

15) Frame material, plastic steel;

16) Single layer glass;

17) Bottom frame corner piece;

18) Outer shaft;

19) Top fastener;

20) Hinge ear of side panel wall.

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