

X-Capsule

DIY Fast Assembly House

$$(\text{Icon of two people} + \text{Icon of a power drill}) \times \text{Icon of a calendar with '1 day'} = \text{Icon of a house with '10m}^2\text{'}$$



WWW.X-CAPSULE.NET

Faster Build & Superior Quality Specialized Modular Housing Supplier

X-Capsule is dedicated to the R&D, innovation, manufacturing and supply of modular quick-assembly housing. We deliver one-stop innovative living solutions worldwide for a full spectrum of scenarios, including affordable housing, emergency resettlement, commercial spaces, cultural tourism & hospitality venues, and public service facilities.

We have broken through the efficiency bottlenecks of traditional construction with our exclusive Lego-style DIY assembly system: two workers can complete on-site installation in just 10 hours. This method is 90% faster than conventional construction, drastically cutting labor and time costs. Our standardized modular design enables flexible adaptation to diverse scenarios. Furthermore, optimized packaging and loading structures significantly reduce cross-border shipping costs, delivering superior cost-effectiveness in logistics.

We operate a 70,000 m² flagship production base, staffed with an R&D and design team of over 100 professionals and equipped with fully self-developed production machinery. We have built end-to-end service capabilities covering design modeling, manufacturing, international logistics and on-site installation guidance, with a daily production capacity of 100 units.

From bulk supply of affordable housing to customized space solutions for special scenarios, X-Capsule leverages technological innovation to help clients reduce costs and improve efficiency. Our large-scale production capacity guarantees seamless project implementation, making us a trusted strategic partner in the global modular quick-assembly housing industry.

X-Capsule Product Catalog



KN-10



KT-10



KN-16



KT-16



KN-20



KT-20



KN-30



KT-30



KN-40



KT-40



KT-60



KD-20



KD-60



KD-170

KN-10



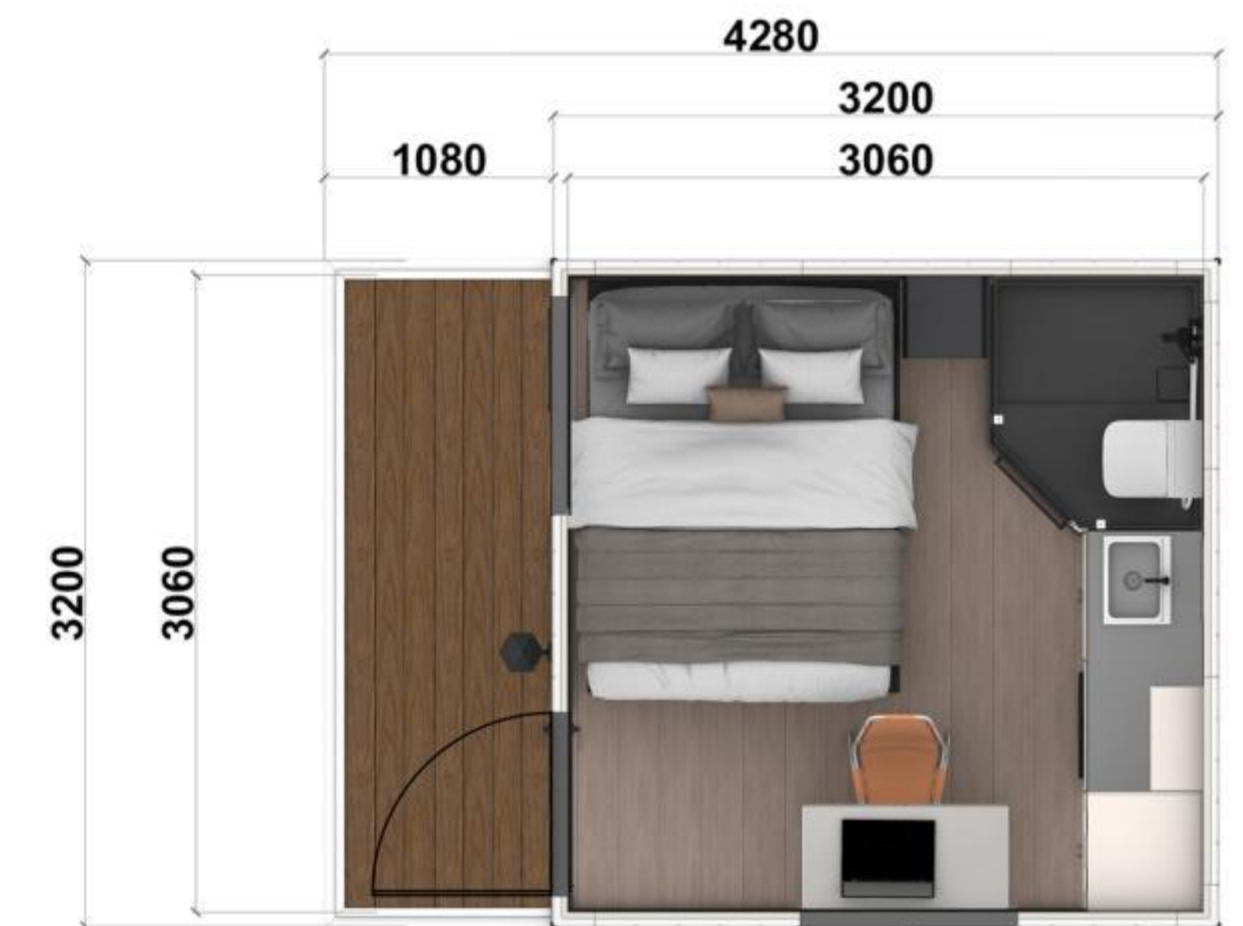
Unit:mm



KT-10



Unit:mm



KN-16



Unit:mm



KT-16



Unit:mm



KN-20



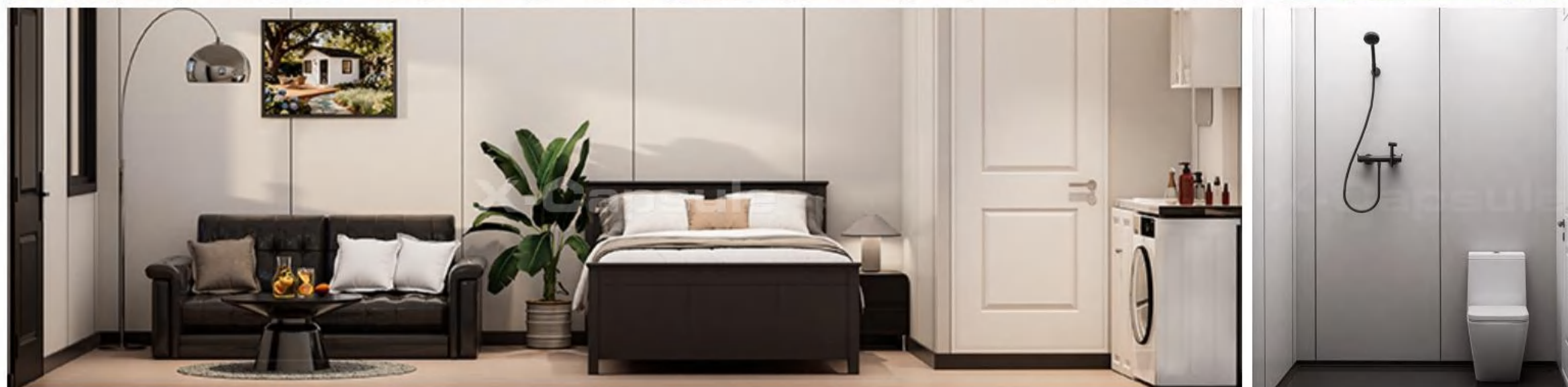
Unit:mm



KT-20



Unit:mm



KN-30



Unit:mm



KT-30



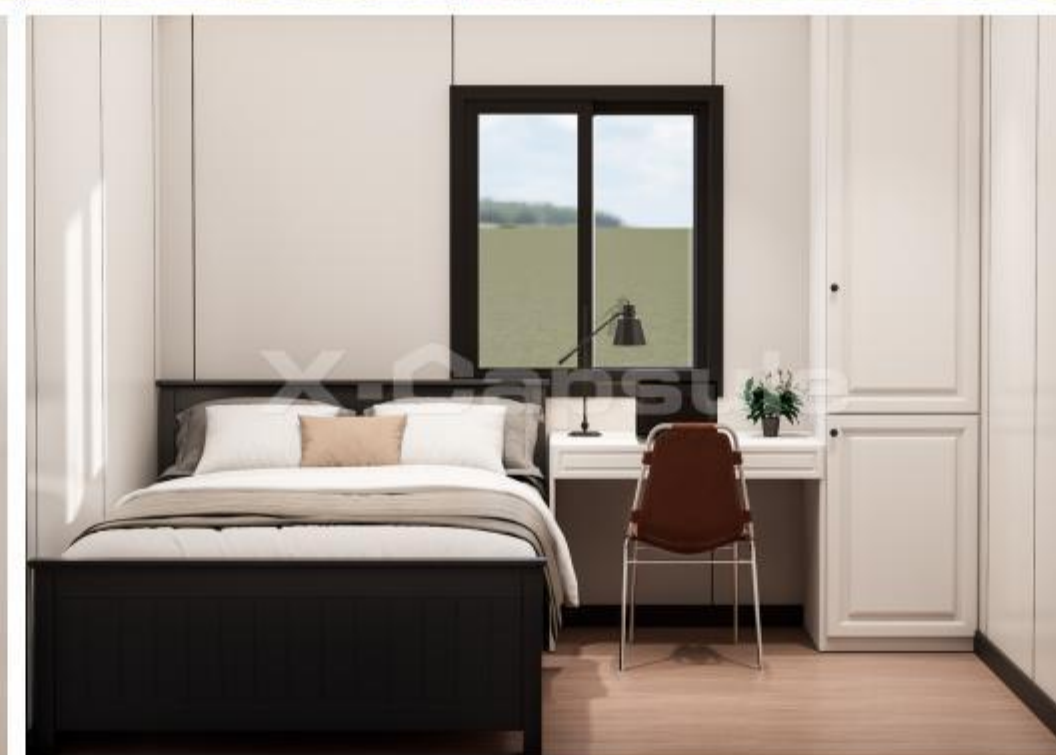
Unit:mm



KN-40



Unit:mm



KT-40



Unit:mm



KT-60



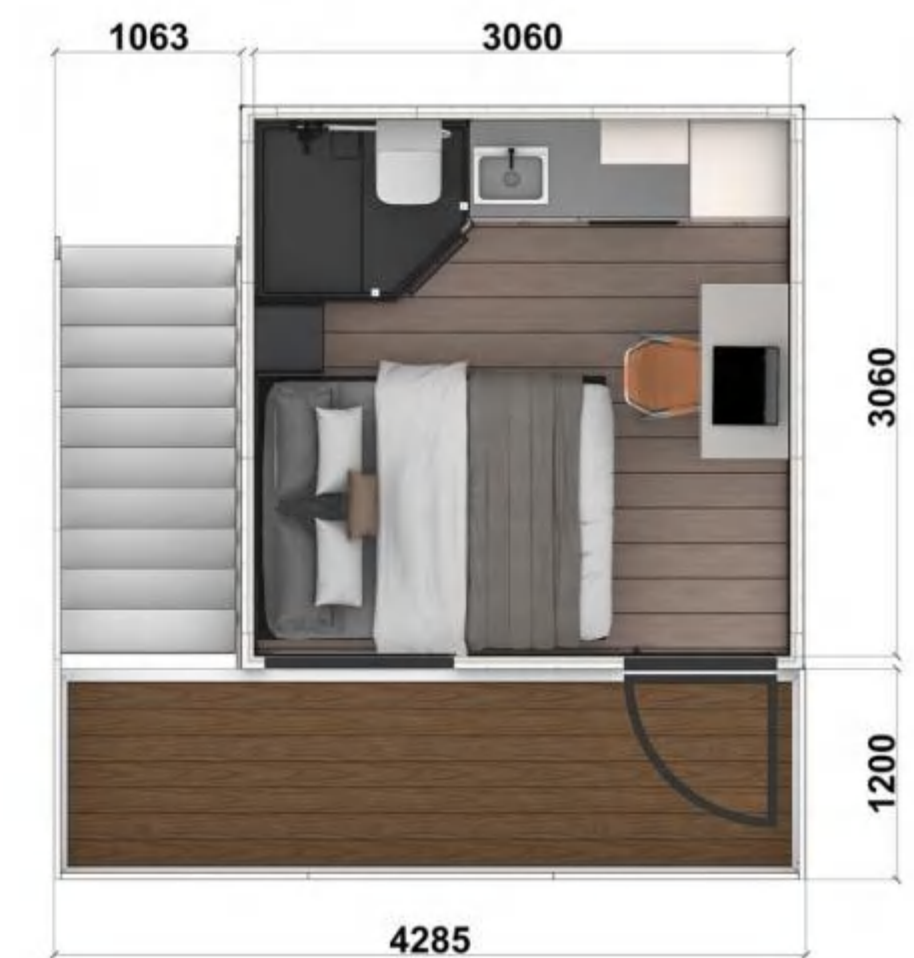
Unit:mm



KD-20



Unit:mm



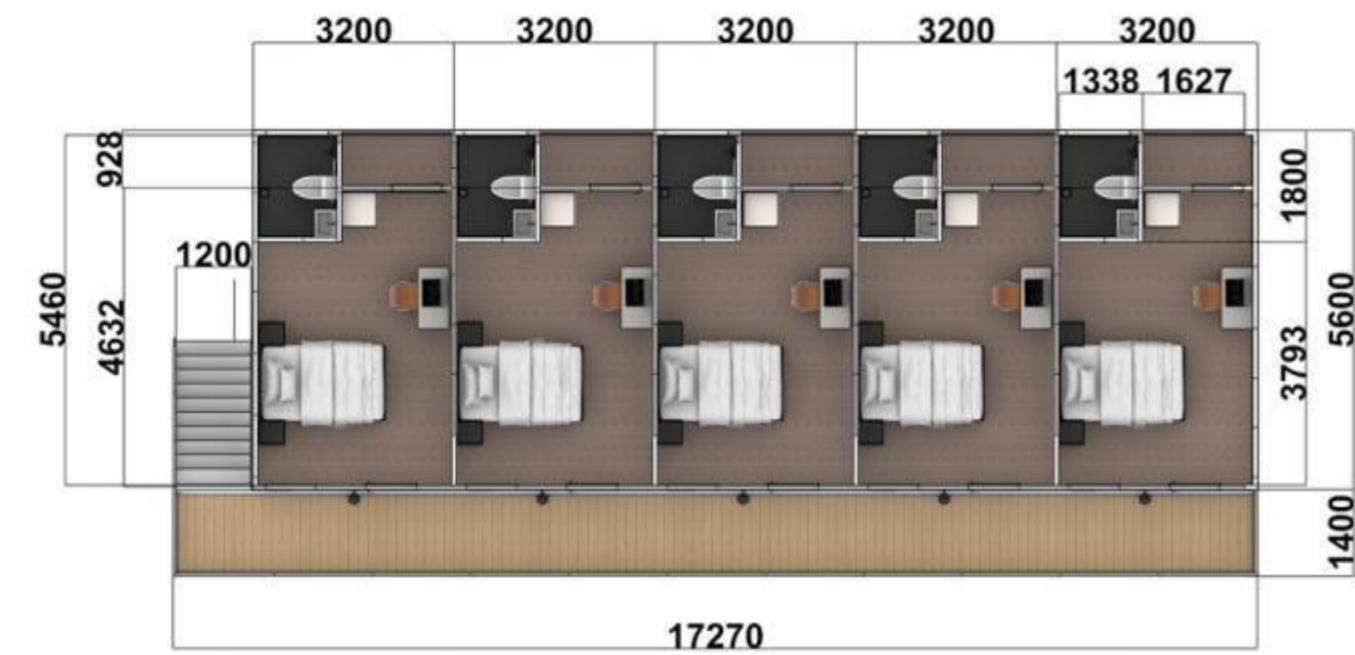
KD-60



Unit:mm



KD-170



Actual Product Shots



Base Pricing Inclusions



Ceiling Lights

LED Light Strips

Top Crown Molding

Composite
Doors & Windows

Wall Paneling

Baseboard Molding

Wood Grain Flooring

Actual Product Detail Shots



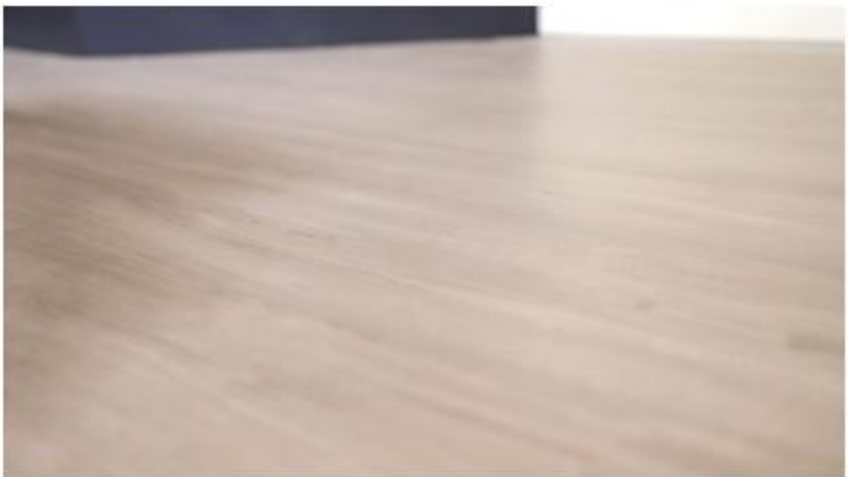
Ceiling Lights
Bright & well-lit interior



LED Light Strips
Elevate interior style



Wall Paneling
Enhances space quality



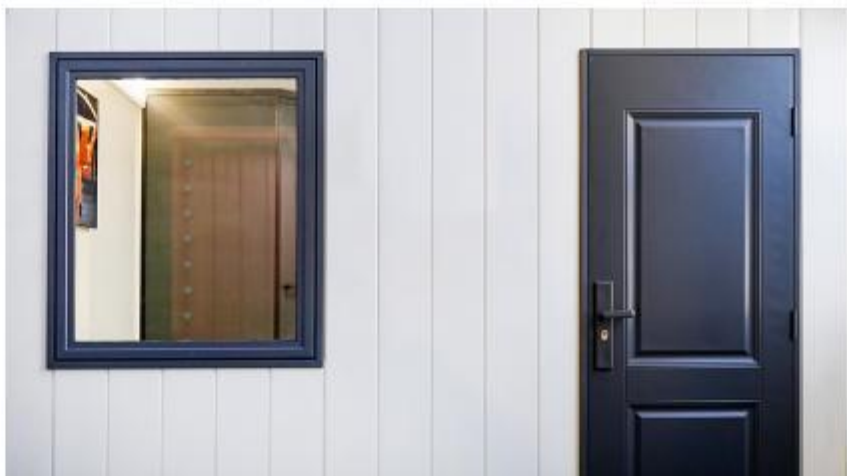
Wood Grain Flooring
Waterproof and wear-resistant



Top Crown Molding
Refines room contours



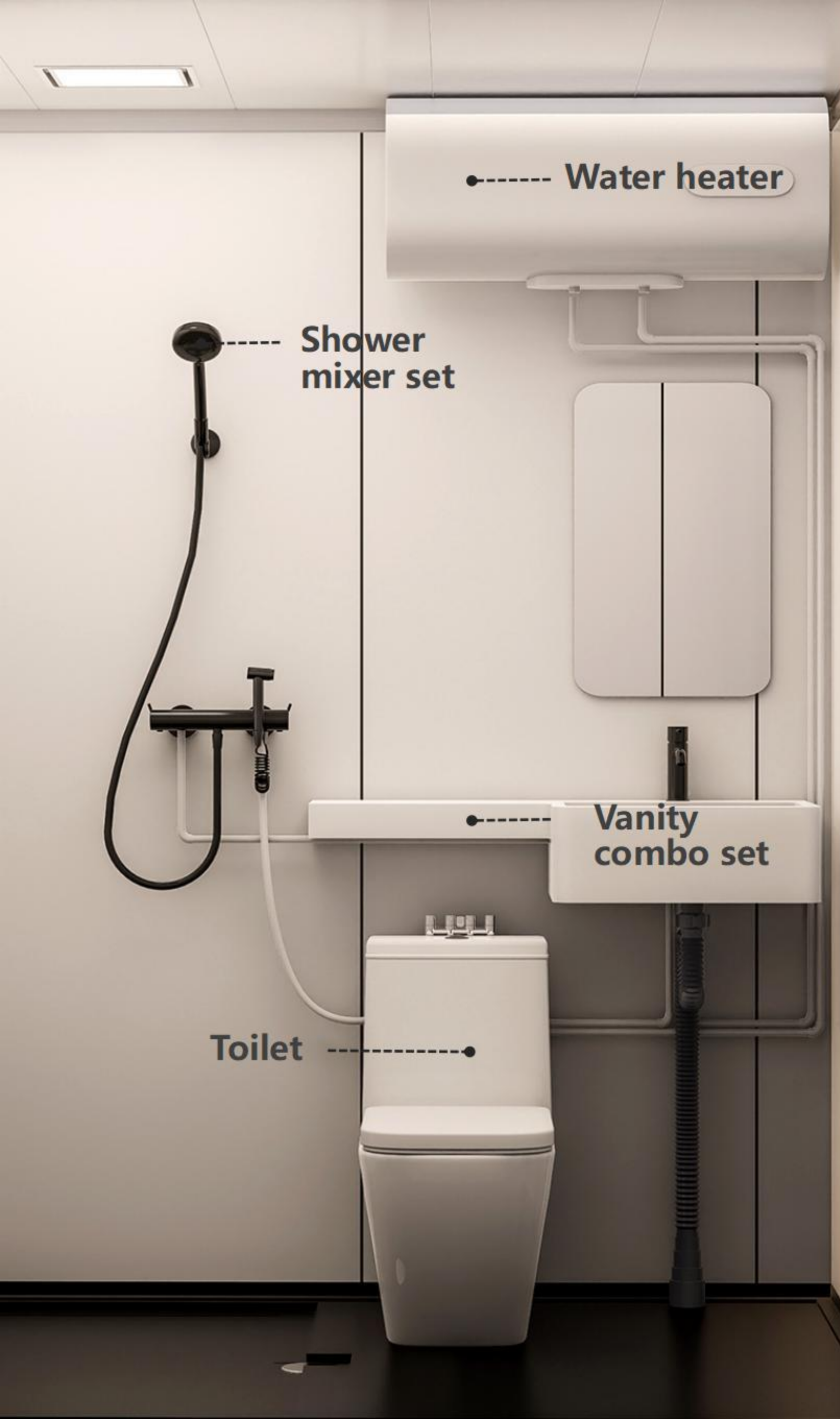
Baseboard Molding
Protects wall corners and edges



Composite Doors & Windows
Attractive & Durable



Branded Light Switches
Safe and long-lasting



Optional Upgrades

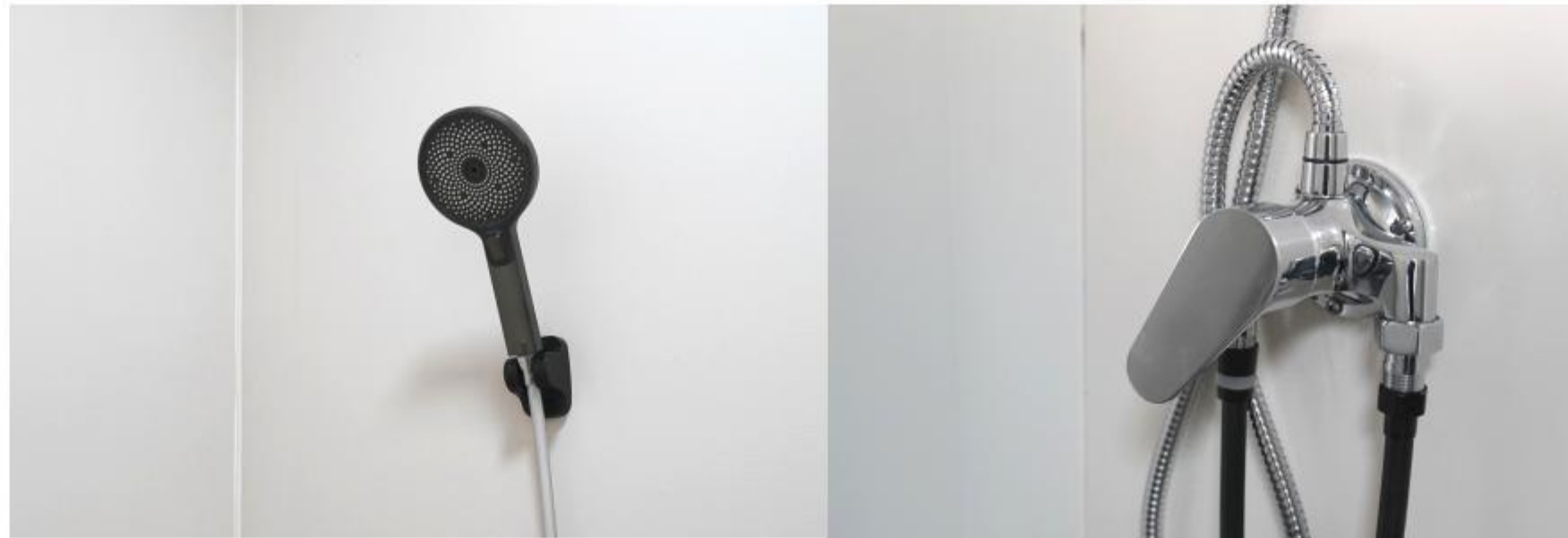
Add bathrooms, air conditioning and more to customize your ultimate comfortable living experience.

+ Bathroom System



Vanity combo set

1 faucet, 1 integrated sink, 2 angle valves with hoses



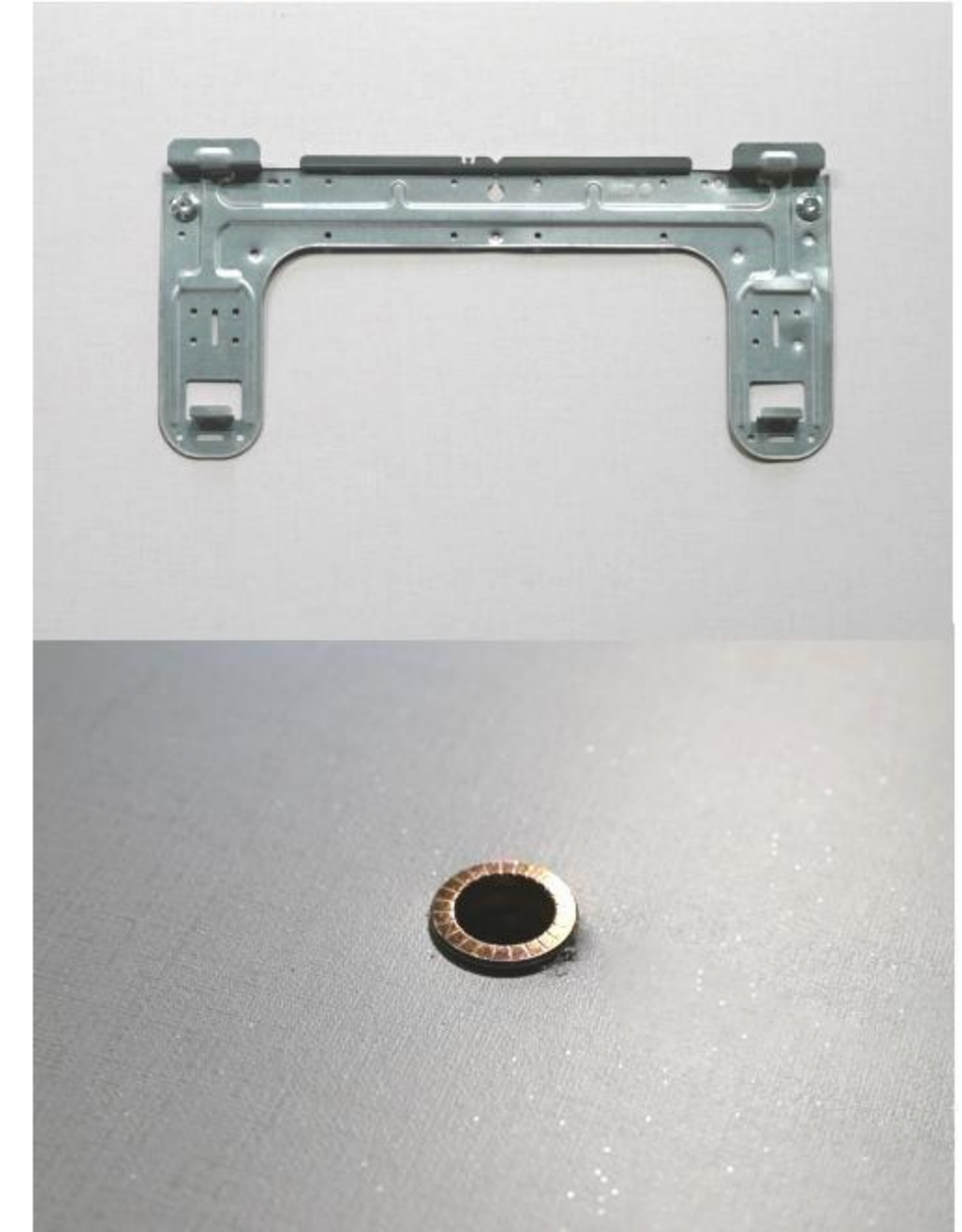
Shower mixer set

1 shower valve, 1 handheld showerhead



Toilet 1 unit

+ Appliance System



AC mounting bracket



Water heater

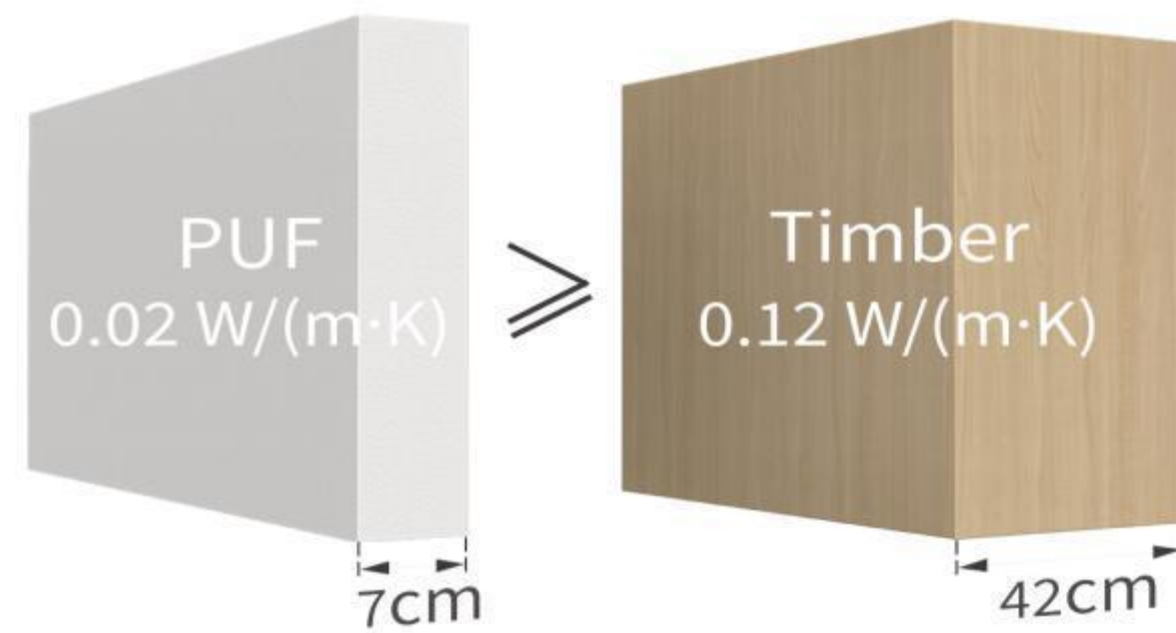
Partial Product Parameters

Item		Parameter
Craft & Materials	Section Steel Specs (Main Beam, Secondary Beam, Column, Stair, Railing)	Aluzinc-coated steel frame
	Wall	70mm metal polyurethane composite panel
	Floor	Interior: 40mm polyurethane composite floor Step platform: Carbon steel frame + WPC floor
	Roof	60mm polyurethane roof panel
	Bathroom	Base: Fiberglass reinforced plastic (FRP) Partition: Tempered glass
	Water Supply & Drainage	Water supply: 20mm PPR pipe Drainage: 50/110mm UPVC pipe
	Insulation Craft	70mm polyurethane (PU)
	Rust Prevention Craft	Aluzinc-coated steel plate + painting + partial anti-corrosion treatment
	Electrical Circuit	Certified wiring harness, customizable as required
	Switches, Sockets, Luminaires	Certified standard, customizable as required
	Doors & Windows	Door: Steel-wood door Window: Aluminum alloy window
	Glass	5mm single-layer glass
Design Parameters	Load Grade / kPa	2.0 kN/m²
	Wind Resistance Grade	Grade 12
	Seismic Resistance Grade	Grade 9
	Thermal Insulation Coefficient	Wall 0.023W/m·K Roof 0.015W/m·K
	Fire Resistance Grade	B1
	Service Life	30 years
Installation Manual	Installation Manual	Chinese & English version
Packaging & Transportation	Packaging, crating & transportation	Customizable as required
Function & Application	Accommodation / Office / Warehouse / Fitness	Customizable as required

Thermal Insulation Performance

Thermal Insulation

7 cm PUF insulation core effectively blocks extreme heat, with an optional A/C system delivering superior cooling.

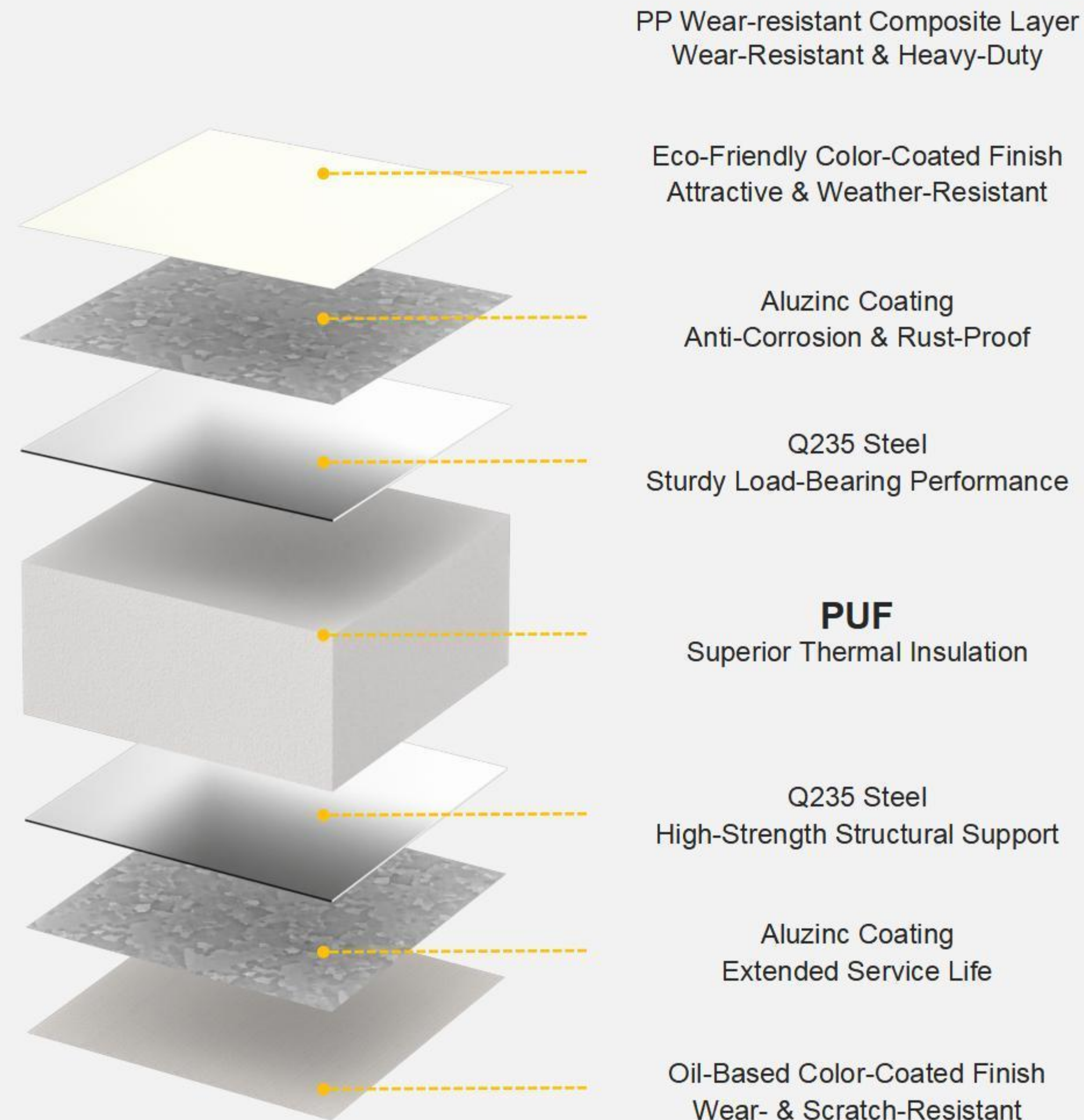


7cm PUF ≥ 42cm Timber

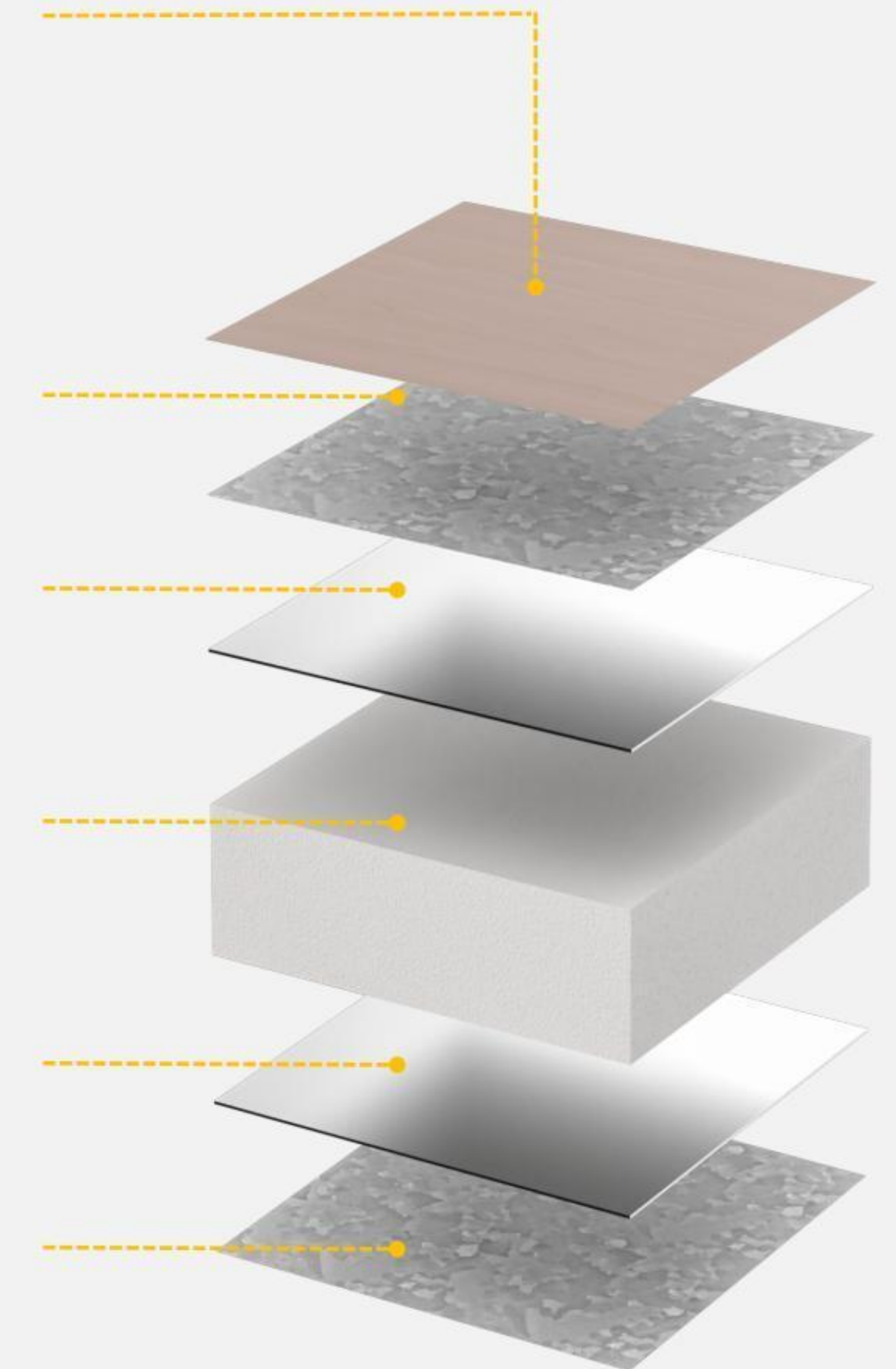
Fire Rating

Comparison Table of Fire Ratings for Building Materials

	China	EU
Wall Panel Material	A	A1
Insulation Material	B1	B



Ceiling & Wall Panel Material



Floor Material

Key Performance Advantages

Streamlined structural design enables seamless adaptation to diverse complex environments.

It integrates efficient quick-assembly capabilities with robust safety protection, laying a solid safety foundation for projects across the globe.



Wind Resistance
Grade 14



Seismic Resistance
Grade 9

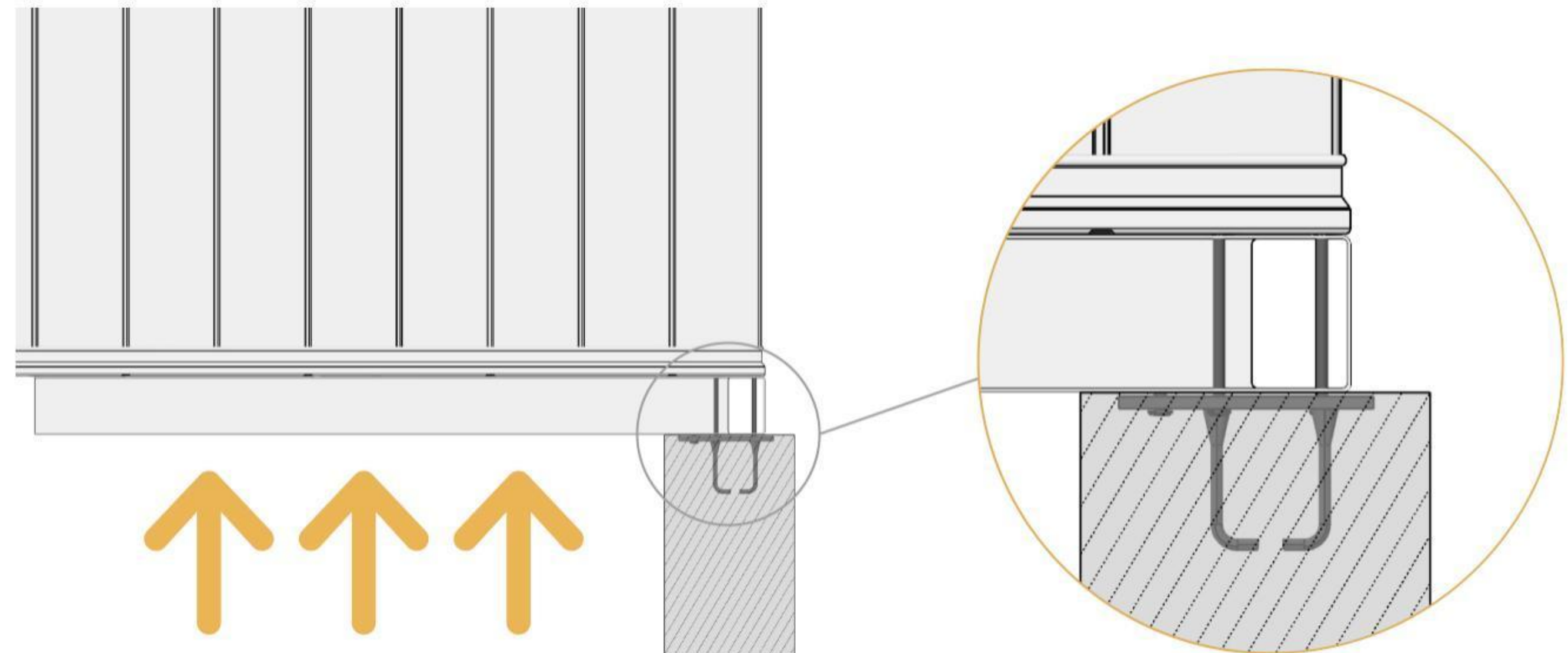


Uniform Load
3.0 kN/m²



Main Structure Service Life
30+ Years

Professional Pile Foundation Reinforcement Ensures Residential Safety



Customization and Delivery Time

Customization of Product Dimensions:

We can customize products in almost any size, but based on our modular standards. You may provide the basic requirements of your customized product, which usually include:

Length / Width / Height/Single-story / Two-story / Height of each floor
Whether a bathroom is required and related specifications / Room partition layout / Requirements and quantity of doors / windows

With the above basic information, we can provide you with a corresponding quotation within 24 hours.

Customization of new dimensions may add an extra **3–5 days** of design time.

For customization involving new materials or textures, an additional **15–20 days** will be required for the design and preparation of new materials.

Both of the above time periods will be included in the total delivery period.

Delivery Time:

The delivery time varies depending on the product dimensions.

Current factory production capacity: approximately **150 units per day for 10m² models**, and about **80 units per day for 30m² models**.

The standard production cycle for existing designs is around 20 days.

Calculation of Delivery Cycle:



The final delivery time stated in the contract will also take into account the impact of other orders on the production start date.

Textures of Standard Products:

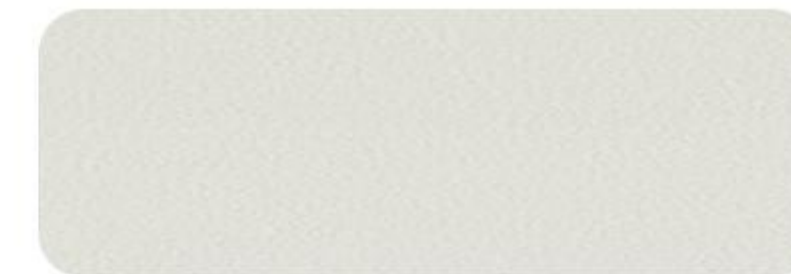
Interior wall texture (fabric grain / wood grain optional)



Floor texture



Exterior wall texture



Other custom textures require a specified minimum order quantity and will affect the price by **5–10%**. For example, for the 30m² model:

Custom interior wall panel texture: minimum 50 units

Custom floor texture: minimum 100 units

Custom exterior wall texture: minimum 60 units

If ordered in one batch, only the maximum quantity above (100 units) is required for customization.

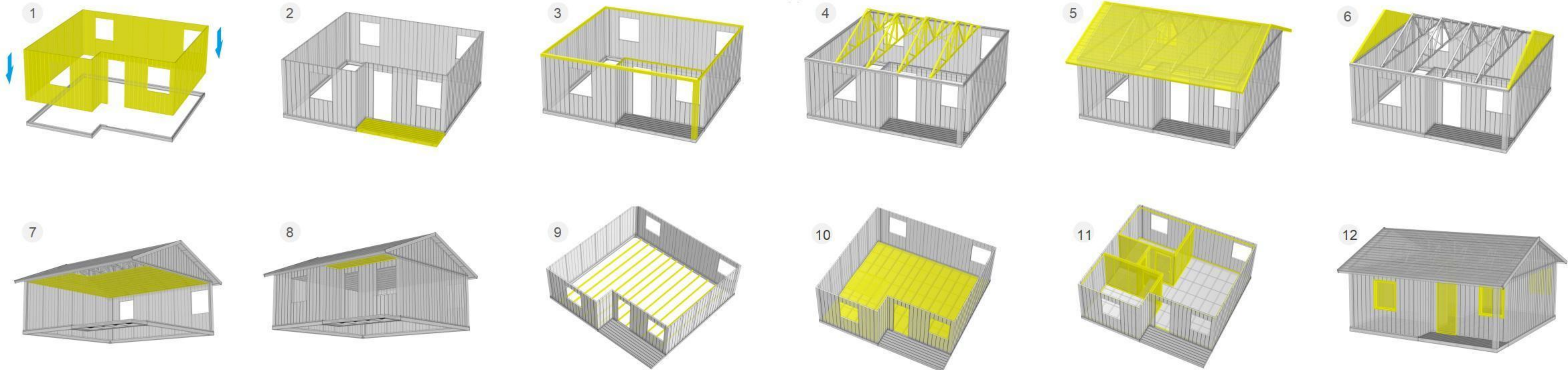
SpeedCore System

2 Workers + Basic Tools × 1 Day = 10 m² Home

No heavy equipment such as cranes or on-site material fabrication is needed. Houses can be quickly assembled and ready for standard-compliant occupancy.

According to on-site operation data, two skilled workers can install 1 square meter within 0.5–1 hour, and a 10m² unit can be fully assembled and completed in a single day.

$$\left(\text{Worker} + \text{Worker} + \text{Power Drill} \right) \times \text{1 day} = \text{10m}^2 \text{ House}$$

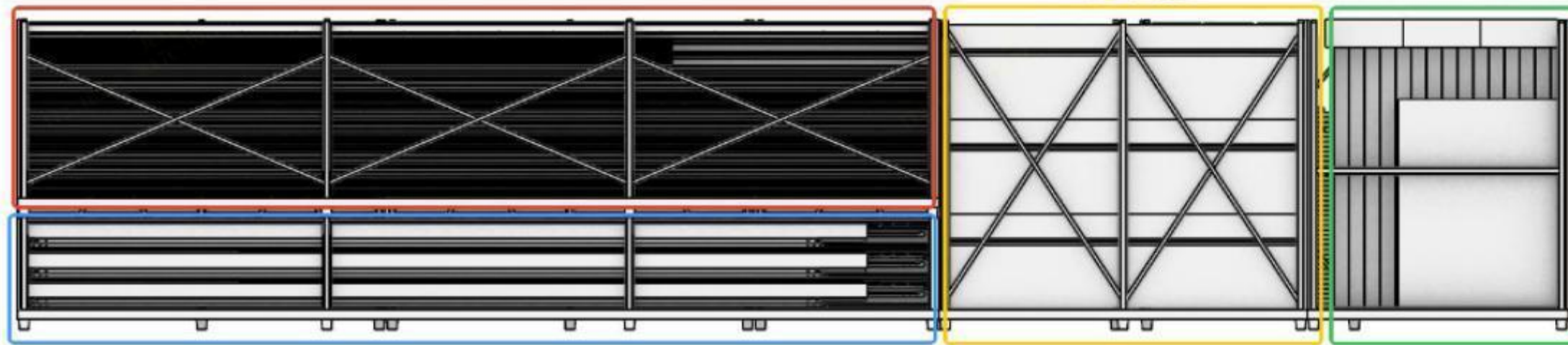


Product Packaging

Roof tile, ridge tile, eave ceiling panel.
7200*1200*2530mm
2.8T

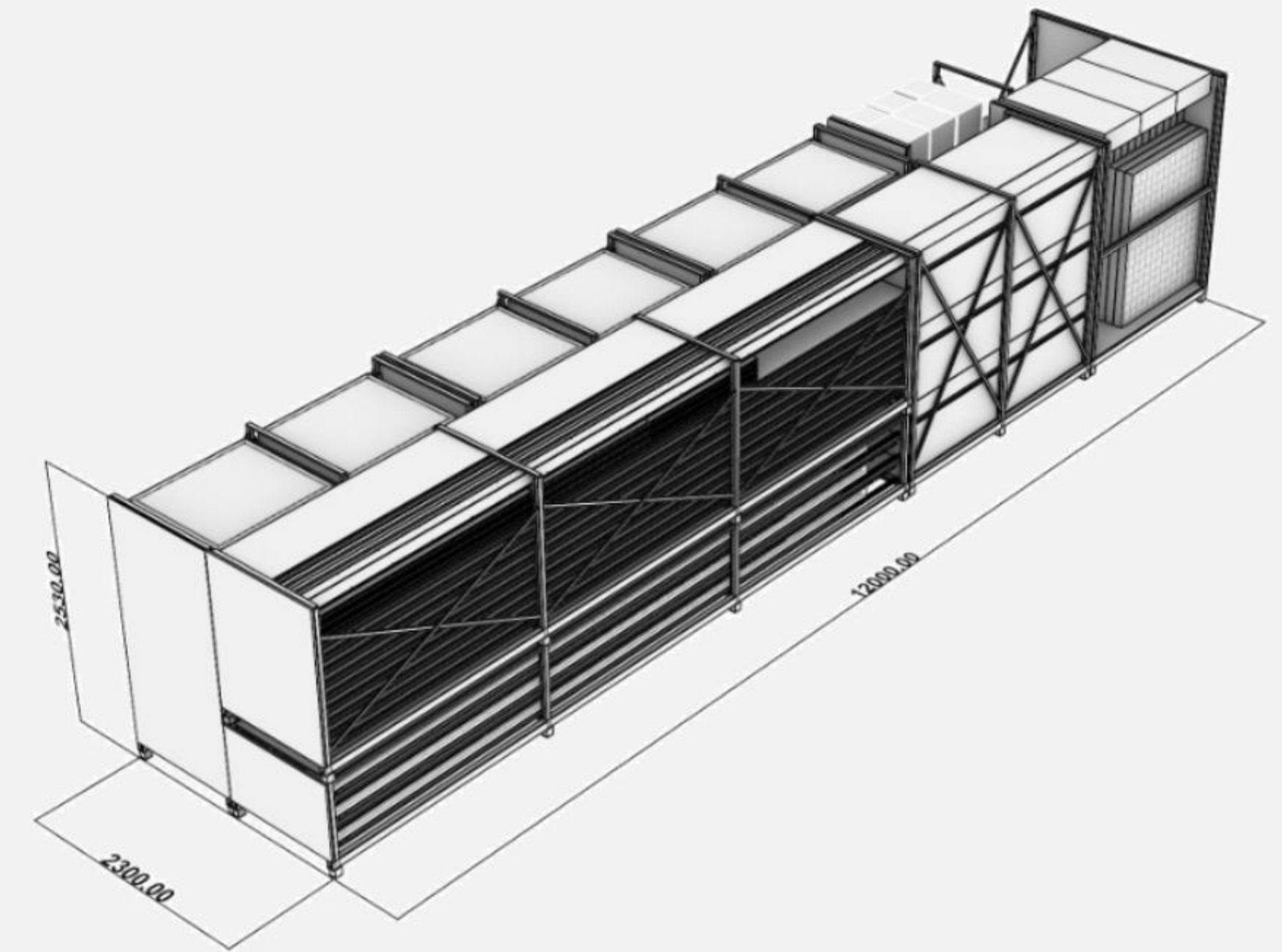
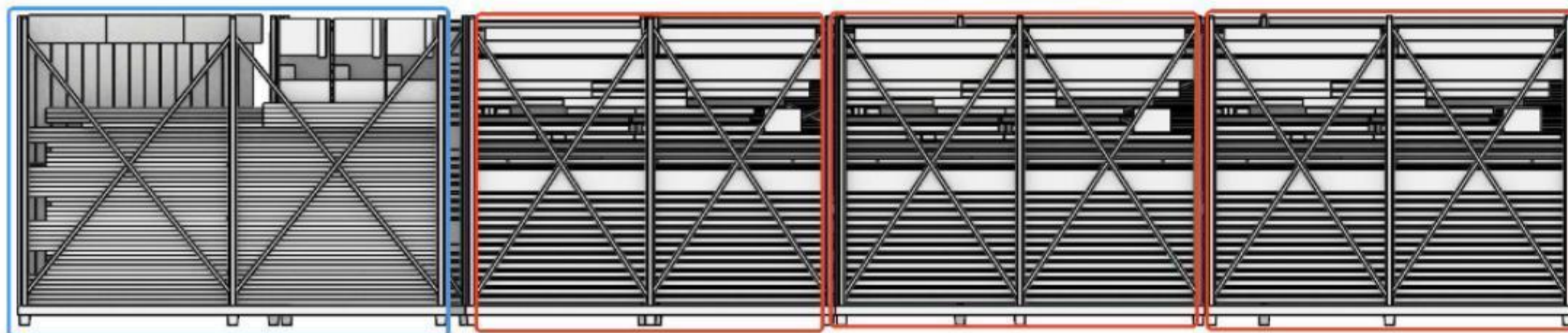
Interior wall panel
2900*1100*2400mm
0.5T

Bathroom materials, door
3000*1100*2400
0.5T



Floor, toilet, miscellaneous.
3000*1100*2400
0.5T

Exterior wall panel, column, tripod.
2900*1100*2400mm
0.5T



The main packaging frame consists of **steel frame, PVC panels and XPS board**.

Small package consists of **steel frame, pearl cotton, stretch film, benzene board, extruded polystyrene board and packing belt**.

Detailed specifications and quantities of materials are shown in **the BOM**.

Product Container Loading Plans & Quantity Reference

Model No. (Excluding Interior Finishes)	Loading Capacity for 40' HC	Loading Efficiency
KA10	8 Sets	96%
KA16	5 Sets	78%
KA20	4 Sets	80%
KA30	3 Sets	90%
KA40	3 Sets	98%
KA60	2 Sets	90%

Note:The above serves only as a reference for loading quantities under standard configurations. Any optional upgrades or construction modifications will require separate calculation based on specific orders.

For bulk shipments, scientific mixed loading is available to maximize container space utilization.

Taking KA16 as an example: 40HQ container normally holds 5 units. When combined with 1 KA10 unit, overall container loading efficiency rises from 78% to 95%.

Product Certification

Most of the materials used in our products have passed China's CNAS certification and the mandatory 3C certification. Moreover, for different international markets, we can provide products with regional certifications such as CE certification, UL certification, AS/NZS certification, JIS certification, and KC certification.

Item	Material	Certificate
Main frame	Galvanized Steel Pipe	CNAS
	Hot-Dip Galvanized Sheet Metal	CNAS
Glass	Glass	3C/KS
Water supply and drainage	PVC pipe	CNAS
Circuit	Electrical Wires and Cables	3C
	Switch	3C
	Socket	UL
	Wire Harness	UL
	Distribution Box	CR
Lighting system	Track light	3C
	Wall lamp	3C
Standard components	Hinge	CNAS
	Fastener	CNAS

THANK YOU



P. 021 - 39718800
E. epc.tritek@gmail.com

Jl. Bona Indah Permai No.B4/51, RT.9/RW.6, Lb. Bulus,
Kec. Cilandak, Kota Jakarta Selatan, Daerah Khusus
Ibukota Jakarta 12440



Competence

National-level specialized, refined,
characteristic and innovative Little Giant
enterprises
National-level industrial design centers
National-level high-tech enterprises



ISO Certification

Quality, environment and
occupational health and safety
meet international standards.