

## Materials that Make the *Difference*


Built with **Smarter, Stronger, Safer Materials** — For a Lifetime of Peace of Mind

At Livorohaus, we don't just build homes — we engineer long-lasting, high-performance living spaces using next-generation construction materials.

Here's why our materials **outperform** traditional wood or concrete construction in every way:

### 1. Galvanized Light Steel Frame (*Anti-Corrosion Cold-Formed Steel*)

- Material: Zinc-Aluminum Galvanized Steel
- Life Span: Over 60 years
- Fire Resistance: Yes
- Corrosion Resistance: Extremely high
- Earthquake Proof: Tested up to magnitude 9.0
- Wind Load: Withstands hurricanes up to 200mph

 Unlike timber, our light gauge steel is termite-proof, rot-proof, and doesn't warp or crack.

- ✓ It's 3x stronger and up to 30% cheaper than traditional steel or concrete frames.
- ✓ Precision-engineered for factory preassembly = faster construction and minimal on-site error.

## 2. Exterior Wall System

A 6-layer exterior wall designed for thermal insulation, soundproofing, and durability:

- Calcium Silicate Board (*8mm*) – Fireproof, mold-resistant
- OSB Board (*9mm*) – Structural strength with lightweight efficiency
- Glass Wool Insulation (*100mm*) – Outstanding thermal and acoustic insulation
- Breathing Paper (*0.35mm*) – Moisture regulation layer
- Waterproof Membrane – Stops water penetration
- Fibre Cement Board (*8mm*) – Weatherproof and impact-resistant cladding

✓ This multi-layer system outperforms single-layer brick walls in energy efficiency and weather protection.



### 3. Interior Wall System

- Dual-Sided Calcium Silicate Board – Lightweight, non-combustible panels
- Glass Cotton Insulation (*100mm*) – High-density core for temperature control and soundproofing



Enjoy better indoor comfort, less energy use, and zero toxic materials.



### 4. Roofing System


- Asphalt Tile / Steel Tile Roofing – Aesthetic and weather-resistant options
- OSB Roof Decking (*12mm*) – Lightweight yet structurally sound
- SBS Waterproof Layer (*2mm*) – Heavy-duty waterproofing
- Fiberglass Insulation – Blocks both heat and sound
- PVC Gutter System – Includes all auxiliary materials
- Gypsum Ceiling Boards (*300×300×9.5mm*) – Smooth finish, fire-rated



Our roofs are fire-rated, wind-tested, leak-proof, and ready for all climates.

## 5. Flooring System

- Finish Layer – Custom flooring options (vinyl, tile, wood-look)
- OSB Subfloor – High structural performance
- Fiberglass Insulation Layer – Underfoot warmth and noise control
- Fiber Cement or MGO Board Base – Strong, waterproof, and mold-resistant

 More usable space. Better comfort. Built to handle load and life.

## Why Our Materials Are *Better* Than Traditional Options

FEATURES	TRADITIONAL CONSTRUCTION	LIVOROHAUS STEEL VILLA
Build Time	6–12 Months	35 Days
Fire Resistance	Low (wood, concrete)	High (steel & silicate board)
Termite & Mold Protection	No	Yes
Earthquake Resilience	Moderate	Grade 9 certified
Hurricane Resistance	Limited	Up To 200 mph wind
Lifespan	30-45 years	60-75+ years
Energy Efficiency	Basic Insulation	High-density thermal system

Construction Waste	High	Low, prefab-controlled
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## Built for the Future of Housing

*Every material we use is chosen for its ability to:*

- Reduce maintenance over time
- Lower heating and cooling costs
- Protect your investment from natural disasters
- Deliver luxury without the traditional price tag