



MODULAR | SMART | SUSTAINABLE

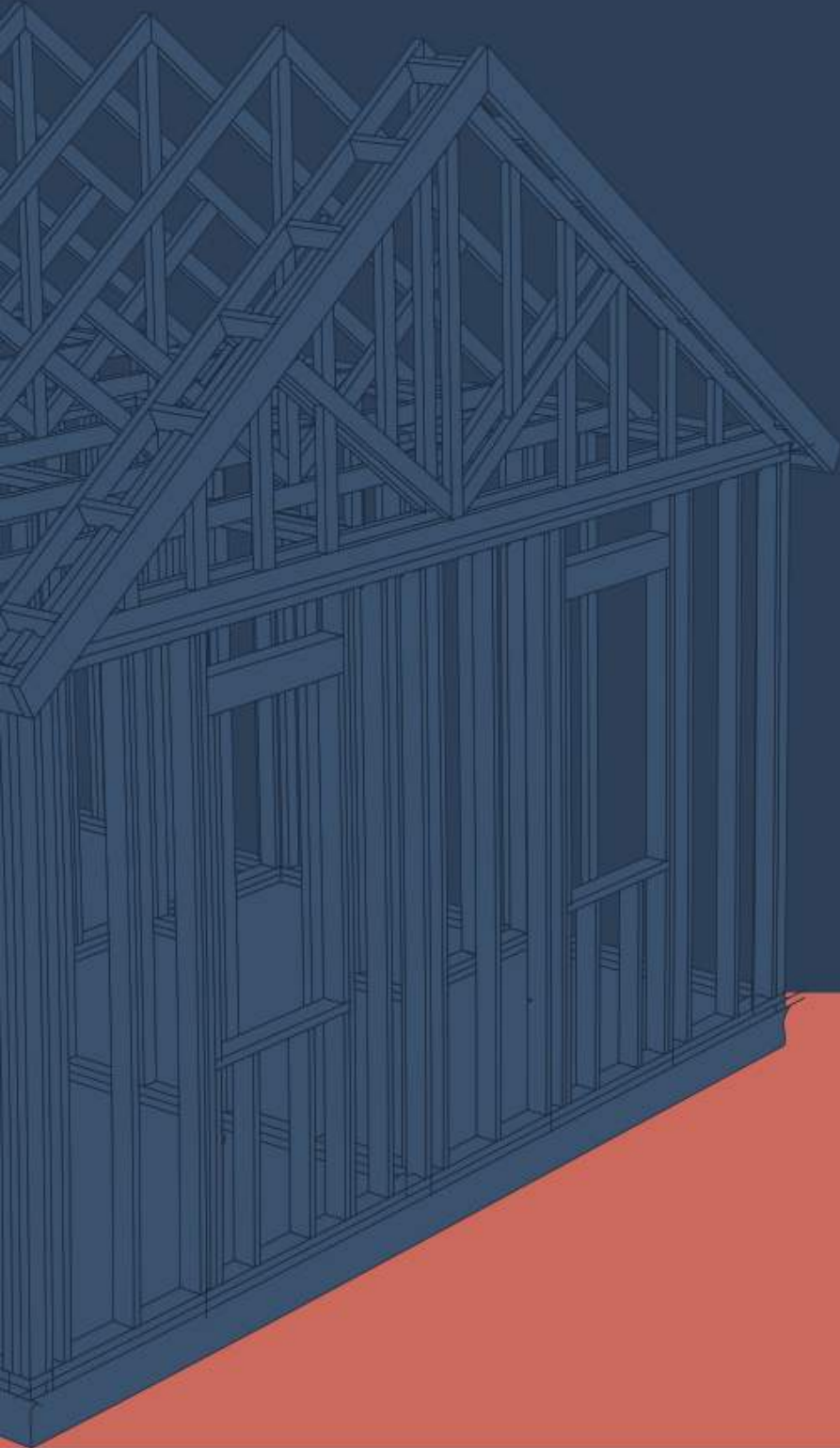


Think
Beyond
Brick.

|

Where dreams
are framed in steel,
strengthened by
concrete, and crafted
for generations.





Vision

"To become India's leading hybrid construction technology company delivering faster, stronger and sustainable buildings through engineered modular systems."

Mission

To shape the future of the built environment by creating innovative hybrid modular solutions that deliver stronger, smarter, and more sustainable spaces for generations to come.

Core Values

Customer Commitment

We put our customers at the center of everything we do, delivering personalized solutions with transparency, trust, and reliability.



Innovation

We embrace advanced construction technologies and intelligent solutions to create homes that are smarter, more efficient, and future-ready.



Quality

We are committed to uncompromising standards in engineering, materials, and craftsmanship to deliver lasting value and exceptional living experiences.



Speed & Efficiency

We leverage modern modular construction to deliver projects faster while maintaining the highest standards of quality and precision.



Sustainability

We believe in responsible construction and integrate clean energy and environmentally conscious practices to create a better future.



Safety

We prioritize the safety and well-being of our people, partners, and customers through responsible practices and uncompromising standards.





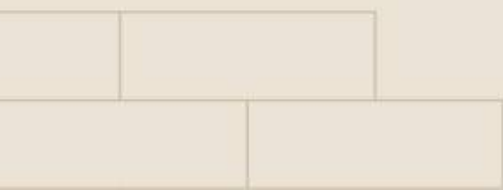
Why Aerfab Exists

The future demands a better way to build.

Around the world, expectations of the built environment are changing. Buildings are expected to be delivered faster, perform more efficiently, consume fewer resources, and remain resilient for generations. Yet much of the construction industry continues to rely on methods challenged by lengthy project timelines, inconsistent quality, excessive material waste, heavy structural loads, and an increasing dependence on skilled labour.

Driven by engineering excellence and a passion for innovation, we developed the Aerfab Hybrid Modular Construction System—an integrated building technology that combines Light Gauge Steel Framing (LGSF), advanced concrete panel systems, and lightweight composite concrete into a single high-performance structural solution. The result is a construction system engineered for greater precision, faster delivery, superior durability, enhanced sustainability, and long-term value. Because the future of construction begins by thinking beyond brick.

Because the future
of construction begins by
thinking beyond brick.



About US



- **Aerfab** is redefining the future of construction through innovative hybrid modular solutions that combine the precision of advanced manufacturing with the strength and permanence of concrete. By integrating engineered steel structures, advanced panel systems, and lightweight composite technologies, we create high-performance spaces that are stronger, smarter, and built for generations.

Driven by innovation and guided by uncompromising standards, we deliver exceptional quality, faster execution, and lasting value without compromising design, durability, or sustainability.

At Aerfab, we are shaping a new generation of spaces where intelligent engineering and modern living come together—because we believe the future of construction begins by thinking beyond brick.

How we Build

From Vision to Realisation

Think
Beyond
Brick.

A refined, end-to-end process that unites precision engineering, advanced manufacturing, and seamless on-site assembly to create exceptional buildings defined by enduring quality and superior performance.



1. Foundation

Every project begins with meticulously engineered foundations, establishing the framework for a resilient and enduring structure.



2. Structural Framework

Precision-crafted Light Gauge Steel components are expertly assembled to create the structural backbone of the building.

3. Integrated Services

Electrical and plumbing systems are thoughtfully integrated within the framework, ensuring optimal efficiency and seamless functionality.



4. Advance Pannel System

High-performance concrete panels are installed to deliver robust, precisely engineered wall systems with exceptional durability.

5. Composite Core

Lightweight concrete is introduced to create a solid, thermally efficient, and fully integrated structural system.



6. Finishing & Delivery

Premium interior and exterior finishes are meticulously completed, transforming the structure into a sophisticated, move-in-ready environment.

**Engineered with Precision.
Delivered with Confidence.**

Why Build Beyond Brick ?



Superior Structural Performance



Faster Project Delivery



Precision and Consistency



Enhanced Thermal & Acoustic Performance



Minimal Material Waste



Reduced Structural Weight



Fire, Moisture & Termite Resistance



Greater Design Flexibility



**Built for
the Future**

Design Portfolio

Sera

STUDIO RETREAT



Lumina

by Aerfeb

1 BEDROOM VILLA



Aurelia

by Aerfeb

LUXURY
COURTYARD VILLA



The aerfab hybrid modular construction system.



Light GaugeSteel Framing(LGSF)

High-Performance Concrete PanelSystem

Lightweight Concrete Composite Core



Light Gauge Steel Framing (LGSF)

PRECISION | STRENGTH | STABILITY

The primary structural skeleton of the Aerfab system, engineered for high strength, dimensional accuracy and seismic resilience. LGSF ensures a lighter, faster and more sustainable way to build.



Technical Specification

- Structural Grade Steel : **G550/S550GD**
- Yield Strength : **≥ 550 Mpa**
- Zinc Coating : **AZ150**
- Thickness Range : **0.75 – 2.50 mm**
- Elastic Modulus : **200 Gpa**
- Density : **7850 kg/m³**
- **100% Recyclable**
- Design Life : **50+ Years**



High Strength
Structural System



Dimensional precision
& Consistency



Excellent Seismic
Performance



Non-Combustible
& Fire Safe



Faster Construction
& East Installation

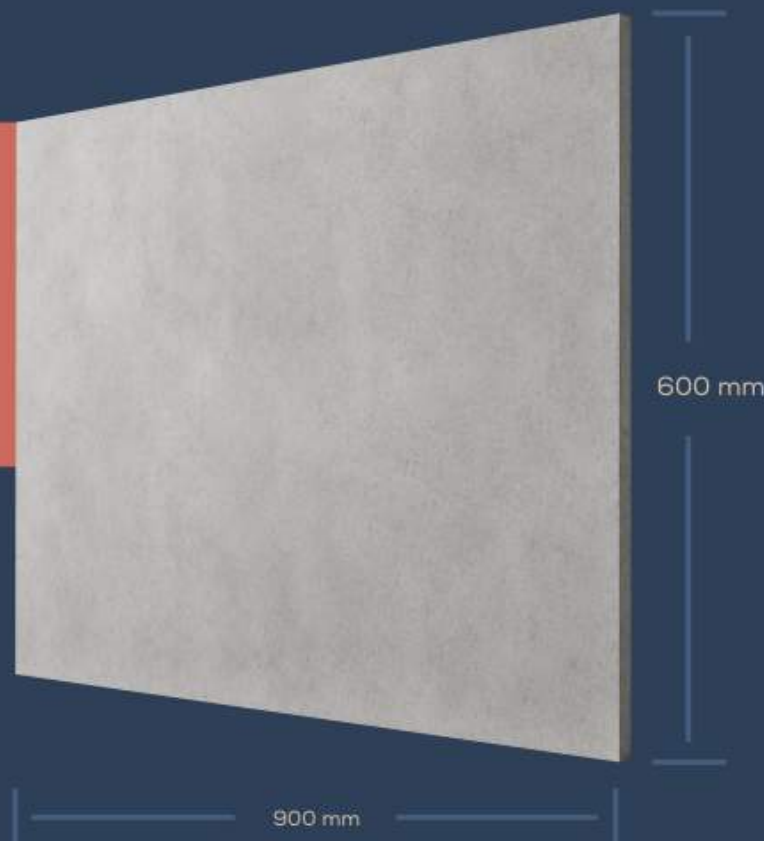


Lightweight &
Sustainable

High Performance Concrete Panel System

STRENGTH | DURABILITY | PERFORMANCE

Engineered as the permanent face of the Aerfab wall system, the 20mm concrete panel delivers structural integrity, dimensional stability, impact resistance, and a premium substrate for a wide range of architectural finishes.



Technical Specification

- Material : **customise fibre concrete panel**
- Density : **1300 – 1800 kg/m³**
- Thickness : **20 mm**
- Improved Thermal Performance
- Excellent Fire Resistance
- Impact Resistant
- Moisture and Termite Resistant
- Low Water Absorption

Architectural Finishes



PAINT



TEXTURE
FINISH



STONE
CLADDING



TILES



WOODEN
FINISH



ACP & OTHER
CLADDINGS

Light Weight Concrete

LIGHTER | STRONGER | SMARTER

Specially engineered lightweight concrete fills the core of the Aerfab wall system, providing excellent strength with reduced dead load, superior thermal & sound insulation, and enhanced seismic performance.



Technical Specification

- Dry Density : **600 – 1200 kg/m³**
- Compressive Strength : **2 – 15 Mpa**
- Thermal Conductivity : **0.12 – 0.35 W/m·K**
- Fire Resistance : **Up to 4 Hours**
- Water Absorption : **Low Permeability**
- Sound Insulation : **45 – 60 dB**
- Shrinkage : **Minimal**
- Excellent Thermal and Acoustic Performance



Reduce Dead Load



Superior Insulation



Excellent Sound Performance



Enhanced Seismic Performance



Sustainable Material



Fast & Easy Application

Where **Arefab** Can be Used

One advance system.

**Endless
possibilities.**



SITE OFFICES



FARM
HOUSES



RESORTS



LUXURY
VILLAS



BUILDING
EXTENSION



INDUSTRIAL
OFFICE



LABOUR
ACCOMMODATION



EDUCATION
CAMPUSES



RESTARUNT



STUDIO HOMES
FOR AIRBNB



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