



Precast Concrete Walls
High-Performance Strength & Rapid Structural Assembly

Technical Specifications

Parameter	Details
Panel Type	Solid Precast or Insulated Sandwich options
Standard Thickness	100mm, 150mm, 200mm (customizable)
Concrete Grade	C40/50 High-Performance Concrete
Reinforcement	High-tensile steel mesh or rebar cage
Fire Rating	Class A (Up to 4 hours depending on thickness)
Surface Finish	Smooth off-form finish, ready for direct painting
Installation	Mechanical bolting or welded connections

Benefits

Speed of Construction: Prefabricated design cuts total project timelines by up to 50%.

Durability: Resistant to moisture, corrosion, and extreme weather for long-term use.

Cost-Effective: Reduces on-site labor requirements and minimizes material waste.

Sound Insulation: High density provides excellent acoustic barriers for residential and industrial noise reduction.

Eco-Friendly: Uses recyclable materials and energy-efficient production methods.

Applications

Commercial & Industrial Buildings: Ideal for warehouses, factories, and boundary walls.

Residential Complexes: Used for primary load-bearing exterior walls and stairwells.

Security & Perimeter Fencing: High-strength walling for estates and industrial sites.

Retaining Walls: Engineered to withstand significant soil and lateral pressure.

Why Choose WEB Housing Pre-stressed Beams?

Certified Quality: ISO-compliant manufacturing ensuring safety and reliability.

Custom Solutions: We tailor the thickness, size, and reinforcement to your specific engineering needs

Expert Support: End-to-end guidance from structural design to on-site installation.

Fast Delivery: Panels are prefabricated for a quick turnaround to keep your project

Key Features

Optimal Dimensions: Customizable heights and widths tailored for rapid, modular industrial and residential installations.

Structural Integrity: Engineered with high-strength reinforced steel to provide superior load-bearing capacity for multi-story construction.

High-Density Concrete: Produced with premium C40/50 grade concrete to ensure maximum durability and impact resistance.

Fire-Resistant: Inherently non-combustible material that meets stringent safety standards (Class A Fire Rating).

Factory Precision: Cast in a controlled environment to ensure perfectly smooth finishes and exact dimensional accuracy.

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