



#### Precast Concrete Walls

High-Performance Strength & Rapid Structural Assembly

#### 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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## 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.

Factory Address: Kilifi, Kenya  
Tel: +254 72 495 1377

## 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

