



pre stressed fences

High-Tension Durability & Security for Perimeter Protection

Key Features

High-Tension Resistance: Reinforced with high-tensile prestressed steel wires to prevent sagging, snapping, or deformation under impact.

Weatherproof Longevity: Engineered to withstand harsh coastal environments (like Kilifi) without rotting, rusting, or warping.

Rapid Installation: Pre-slotted posts and lightweight gravel boards allow for a "slot-and-lock" assembly system.

Sleek Aesthetics: Available in smooth grey finishes or textured patterns that mimic wood or stone for premium estate security.

Maintenance Free: Unlike timber or chain-link, these fences require zero painting or chemical treatments over their 50-year lifespan.

Email: info@web-housing.com
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Technical Specifications

Parameter	Details
Post Dimensions	100mm x 100mm (standard)
Gravel Board Size	150mm (H) x 50mm (T) x 1800mm(L)
Height Range	1.2m up to 3.0m (customizable)
Concrete Grade	C35/45 High-Density Concrete
Reinforcement	2-4 High-tensile low-relaxation steel wires
Surface Finish	Smooth off-form or Rock-face pattern
Wind Resistance	Rated for high-velocity coastal wind loads

Benefits

Unbeatable Security: High-strength concrete core makes it nearly impossible to cut or breach compared to wire fencing.

Cost Efficiency: While the initial cost is higher than timber, the zero-maintenance requirement makes it the cheapest long-term solution.

Fireproof: Acts as a non-combustible fire break for properties near dry brush or industrial zones.

Pest Resistant: Completely immune to termites, wood-boring insects, and fungal decay.

Factory Address: Kilifi, Kenya
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Applications

Residential Boundaries: Premium perimeter walling for private homes and estates.

Agricultural Enclosures: Heavy-duty livestock fencing that resists animal pressure.

Industrial Sites: Secure, durable boundaries for warehouses and energy plants.

Infrastructural Borders: Protection for railways, highways, and water treatment facilities.

Why Choose WEB Housing Pre-stressed Beams?

Coastal Ready: Our concrete mix is specifically designed to resist salt-air corrosion common in the Kilifi region.

Precision Casting: Every post and board is identical, ensuring a perfectly straight and professional fence line.

Eco-Friendly: A sustainable alternative to deforestation caused by timber fencing.

