



FORTIS ALUMINUM PERIMETER SYSTEMS:  
ENGINEERED FOR PERMANENCE

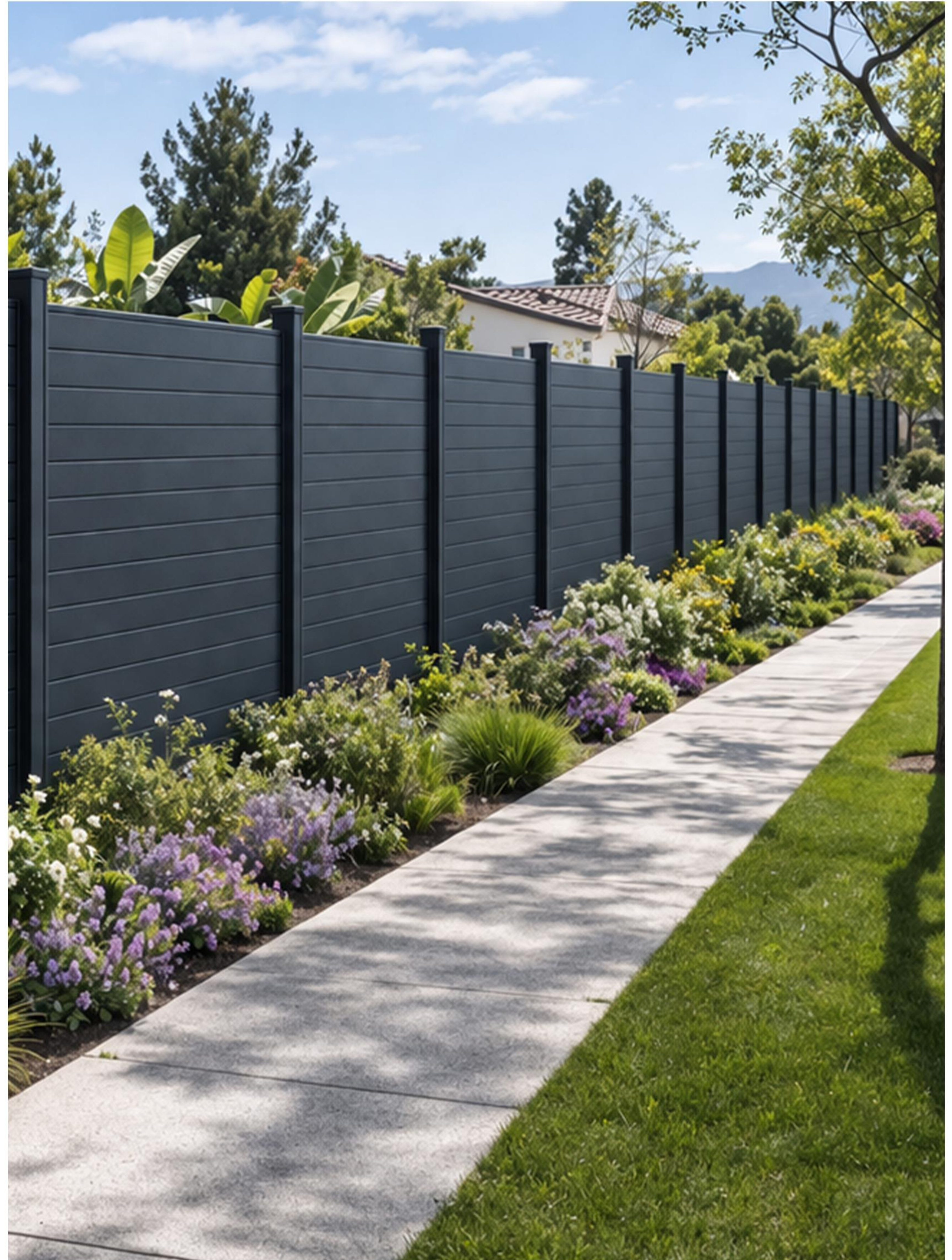
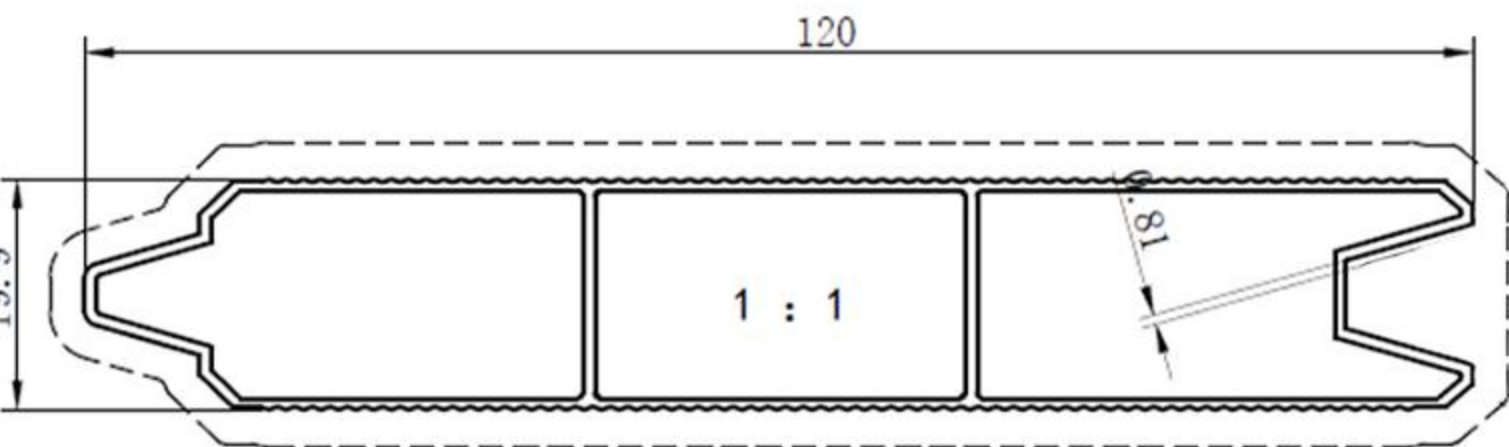
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ALUMINUM ALLOY  
FULLY ENCLOSED  
FENCE



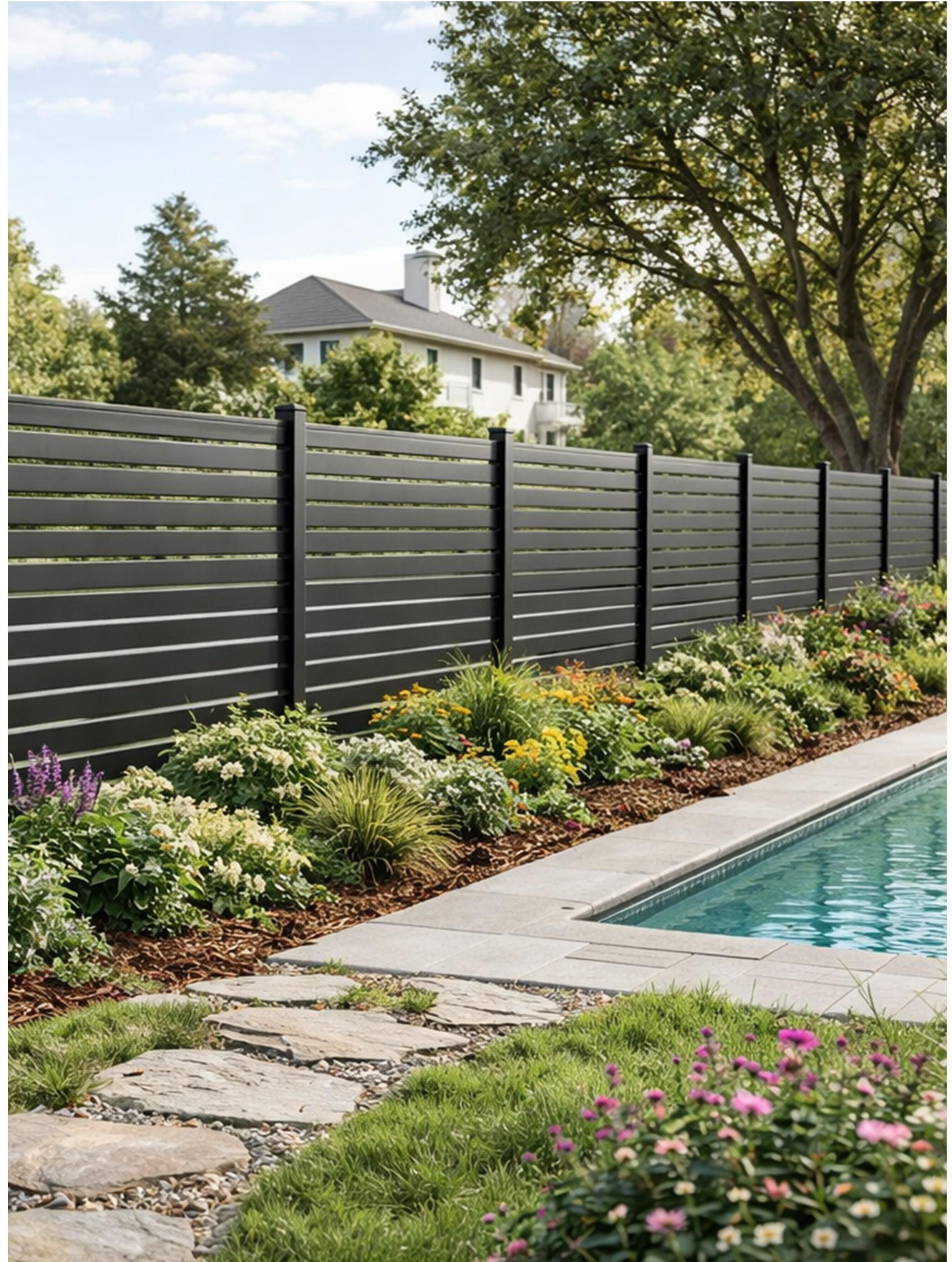
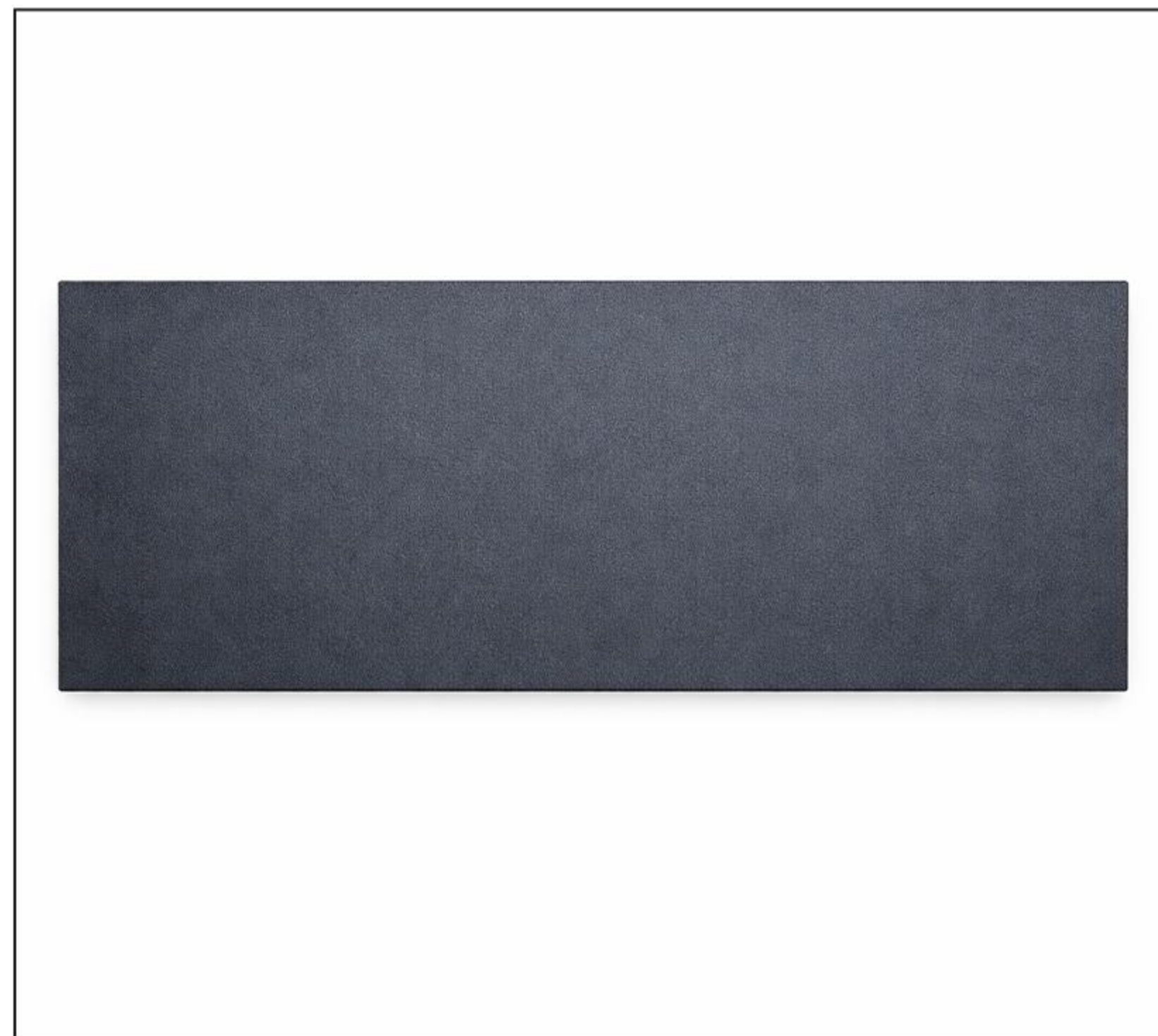
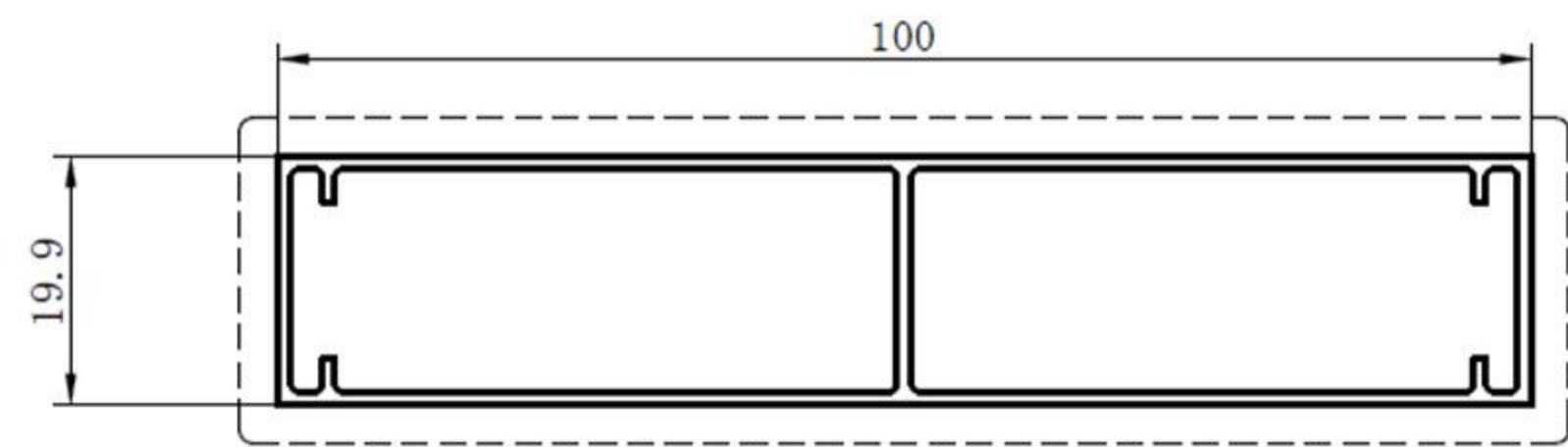
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ALUMINUM ALLOY  
FULLY  
HOLLOWED-OUT  
FENCE



Size:100\*20



# CORE PROPOSITION

Define boundaries with uncompromising security and enduring value. Our 6063-T5 aluminum fencing delivers A1 non-combustible safety, certified hurricane resistance, and an 80+ year service life, shipped direct from the U.S. for rapid deployment





# PRODUCT SPECIFICATIONS

Designs: Full-Panel (total privacy) / Full-Open (modern transparency).  
Standard Panel: 6' H x 6' W.  
Post Options: 6' | 8' (2' embed) | 10' (3' embed).  
Material: Aerospace-grade 6063-T5 aluminum alloy



## MATERIAL SUPERIORITY: 6063-T5 ALUMINUM

The 6063-T5 alloy offers an optimal balance of high strength, lightweight, and exceptional corrosion resistance. Its stable structure ensures dimensional integrity and a theoretical lifespan exceeding 80 years with minimal maintenance



## CERTIFIED PERFORMANCE

Fire Safety: A1 Non-combustible rating (fireproof).  
Wind Resistance: Intertek-certified to withstand 110  
mph winds (Category 2 hurricane)



## LIFETIME DURABILITY

The powder-coated or anodized finish provides superior defense against UV rays, oxidation, and salt spray, guaranteeing decades of aesthetic and structural performance without warping, rotting, or insect damage



## SECURITY & PRIVACY

The solid-panel design creates an impenetrable visual and physical barrier, while the robust interlocking modular construction deters intrusion, offering top-tier security for sensitive applications

# MODULAR INSTALLATION

Pre-engineered, pre-finished components allow for tool-light, rapid assembly. The modular system drastically reduces installation time, complexity, and labor costs





## LOGISTICS: U.S. DIRECT SHIPPING

Inventory is held and dispatched locally, ensuring reliable lead times, reduced shipping costs, and immediate logistical support for continental projects

# COMPARATIVE ANALYSIS: ALUMINUM VS. WPC/PVC

Attribute	Conventional WPC/ PVC Fencing	Fortis Aluminum Fencing
Material & Lifespan	Organic/composite materials. Susceptible to moisture, UV degradation, and thermal expansion. Typical lifespan: 15-25 years.	Inorganic 6063-T5 alloy. Immune to biological decay a environmental stress. Theoretical lifespan: 80+ years.
Safety & Structural Integrity	Combustible material presents a fire hazard. Limited structural capacity; vulnerable to high winds and impact.	A1 non-combustible (fireproof). Engineered and certiwinds. Provides permanent, reliable perimeter security



## IDEAL APPLICATIONS

High-security residential estates, commercial and industrial perimeters, code-compliant pool enclosures, coastal properties, and any application demanding lifetime performance with zero maintenance



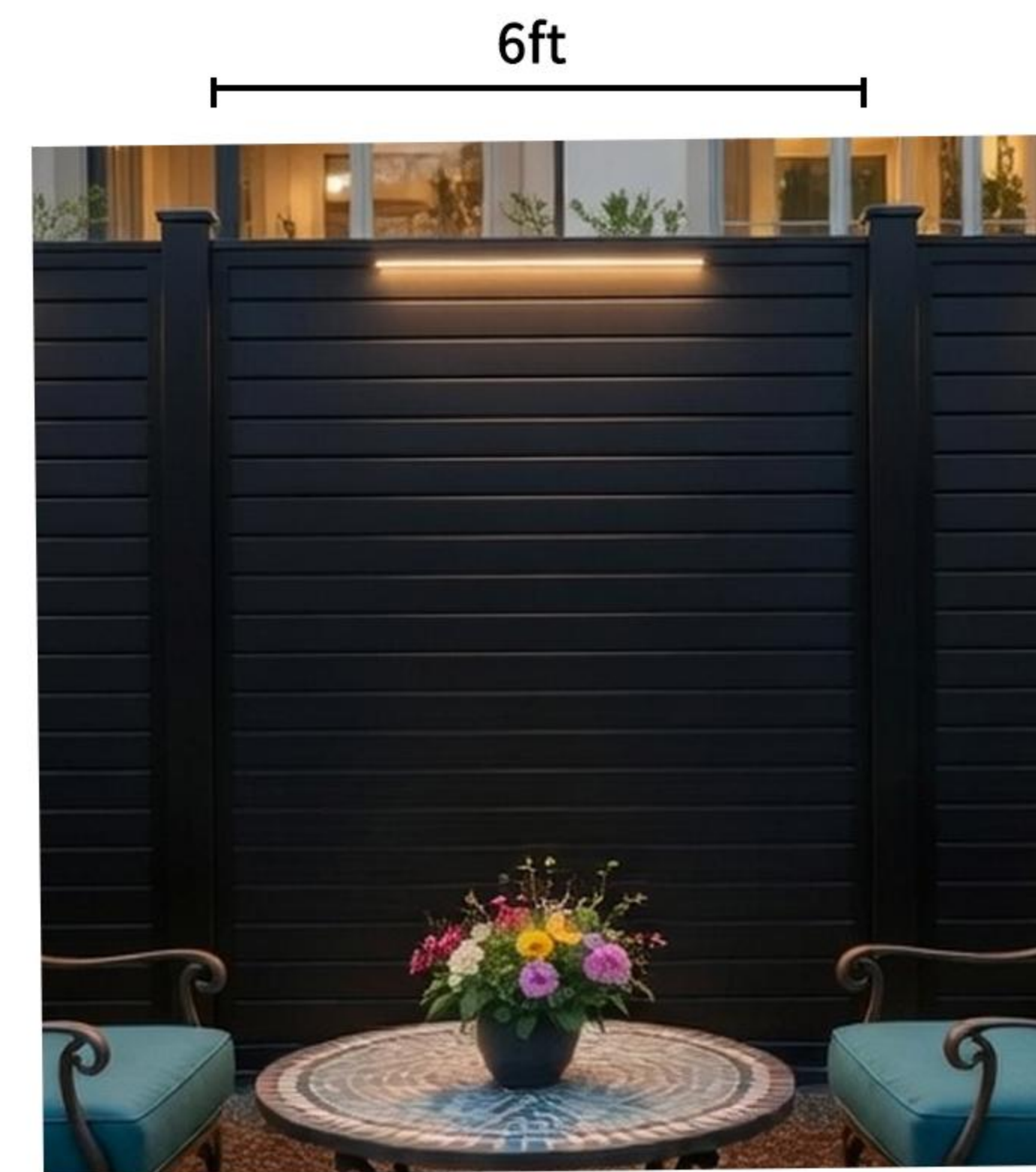
# PRODUCT SPECIFICATIONS

Designs: **Full-Panel (total privacy) / Full-Open (modern transparency)**

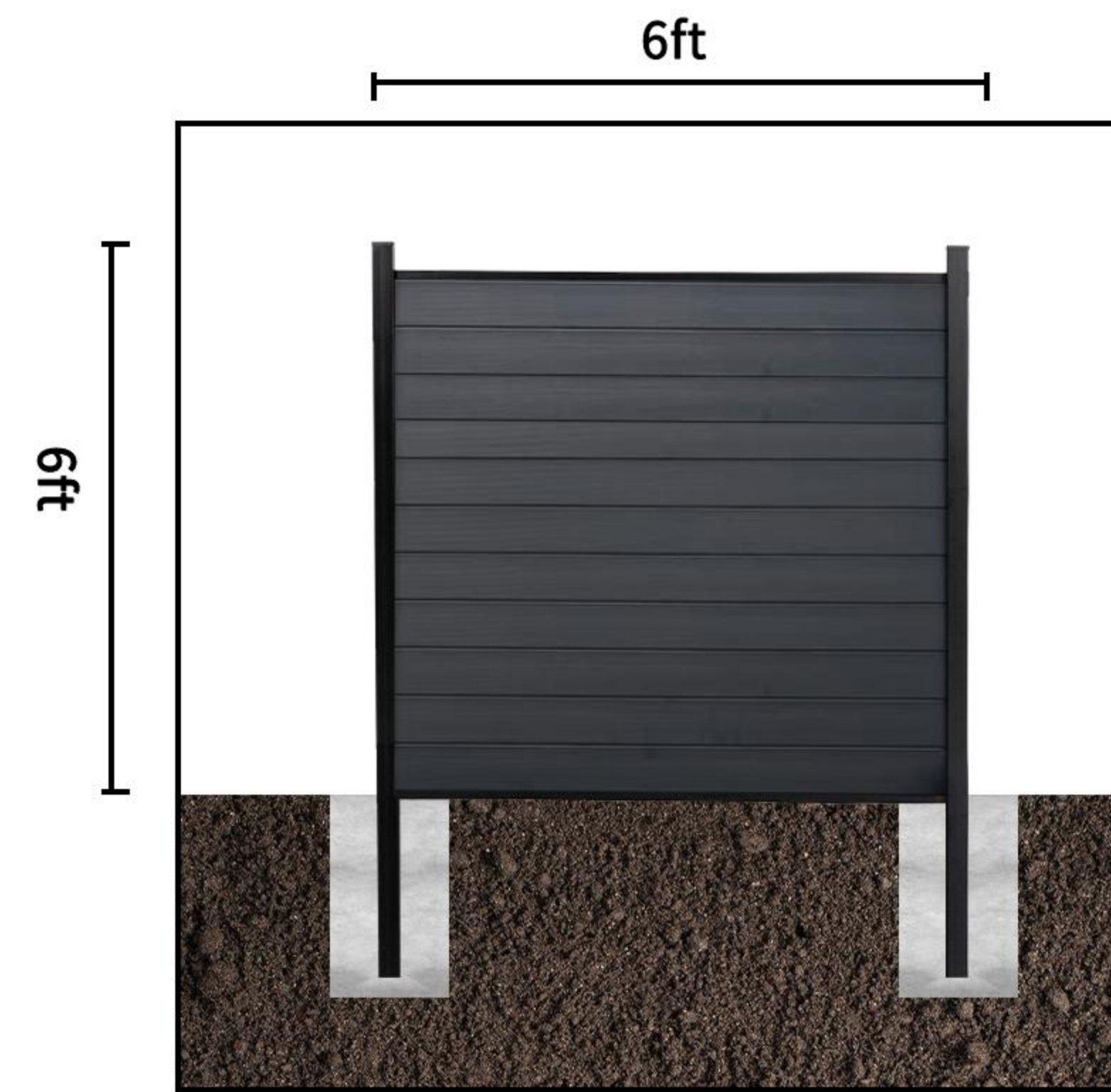
Standard Panel: **6' H x 6' W.**

Post Options: **6' | 8' (2' embed) | 10' (3' embed).**

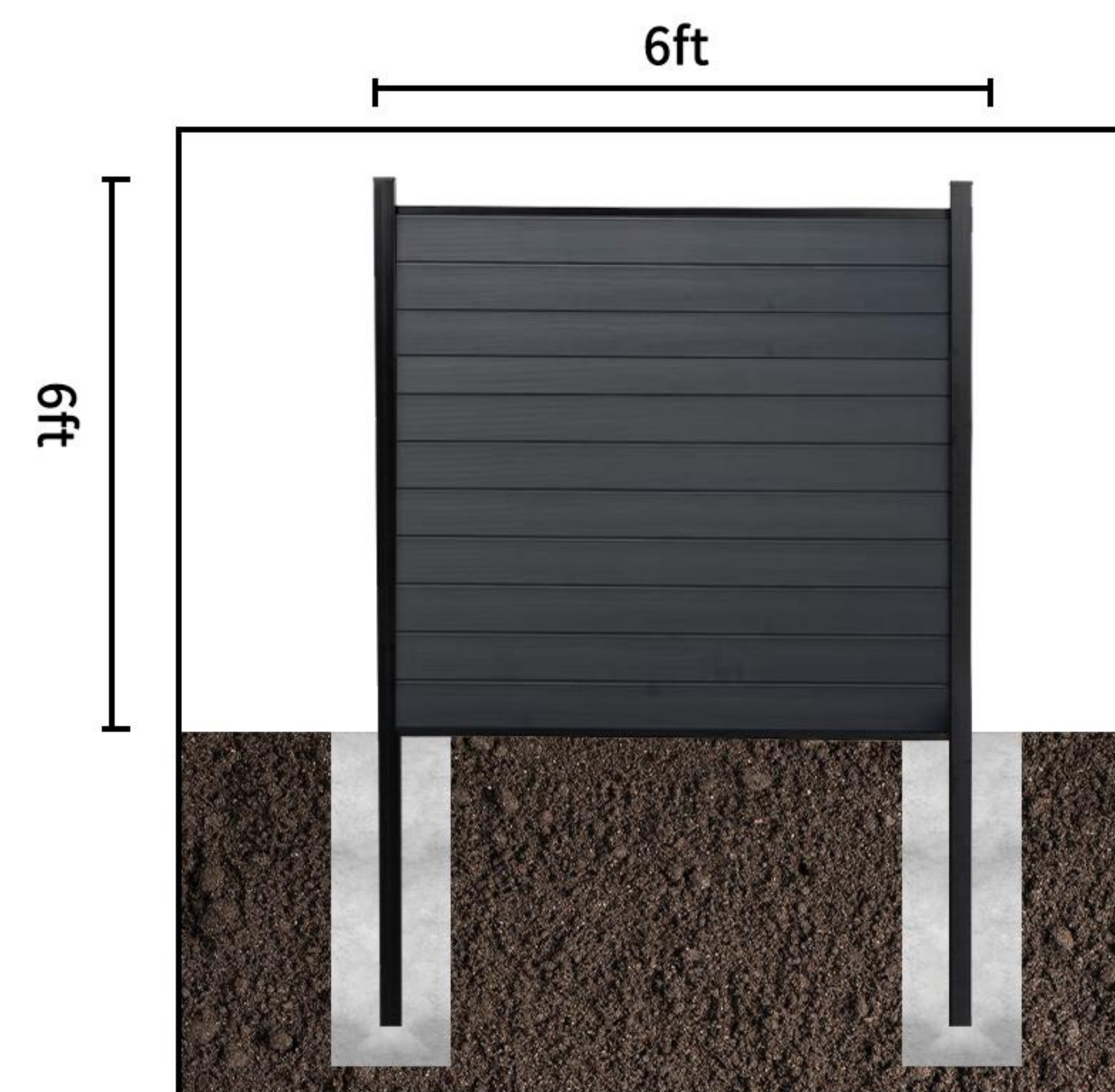
Material: **Aerospace-grade 6063-T5 aluminum alloy**



Base installation



Pre-buried installation(1)



Pre-buried installation(2)

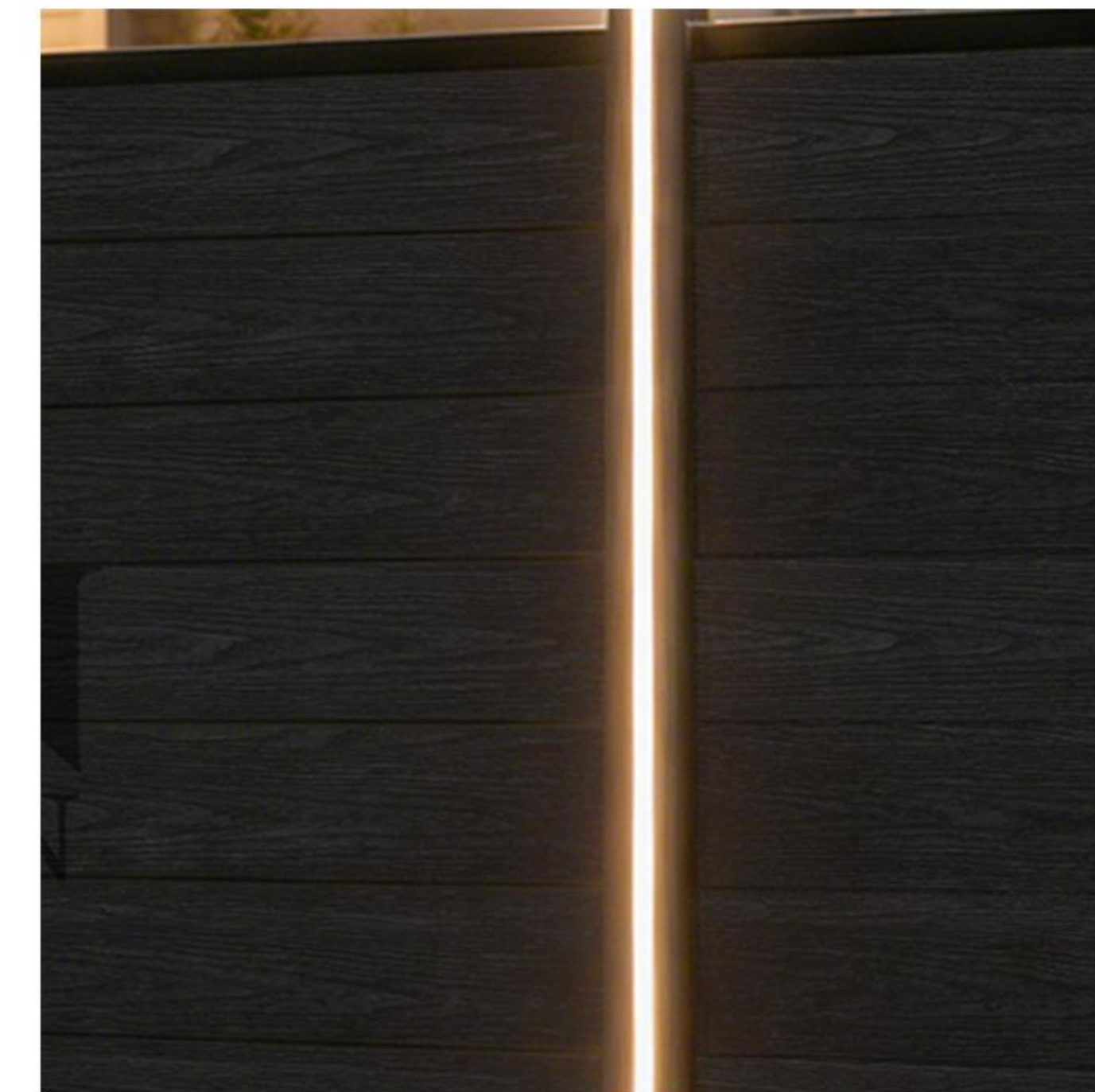
# CORE SOLAR PRODUCTS

Solar Post Cap Lights: Elegant, standalone luminaries that crown each fence post, casting a gentle downward glow to define your space



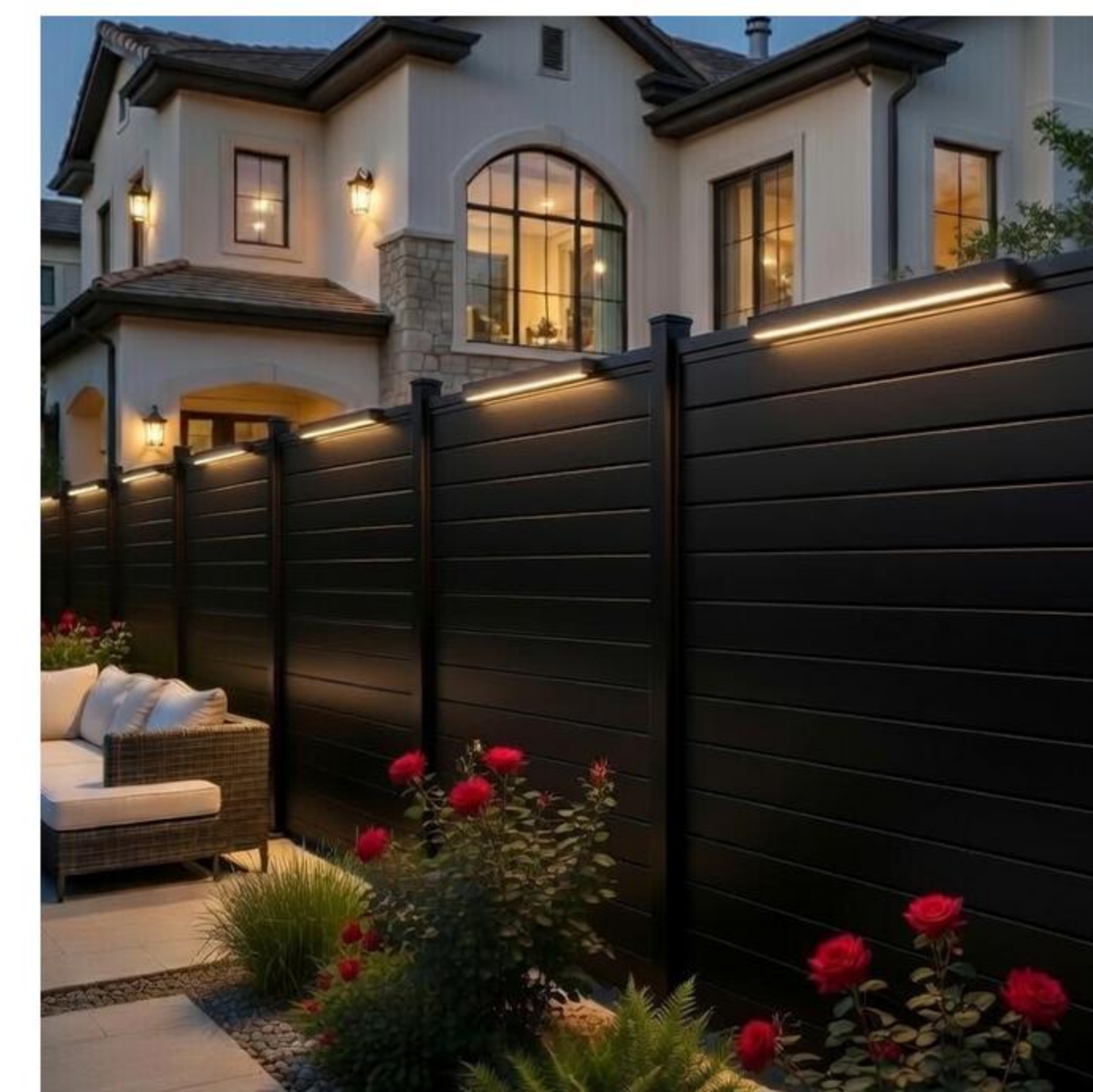
Solar Post Cap Lights

Solar Post Light Strips: Designed to work in tandem with the cap lights, these strips illuminate the entire post surface for a striking, continuous lighting effect



Solar Post Light Strips

Solar Rail Light Tube: A sleek, IP65-rated LED tube for horizontal rails. Crafted from durable aluminum and featuring remote control operation for customizable lighting scenes



Solar Rail Light Tube

# ILLUMINATE YOUR BOUNDARIES

The Self-Powered Aluminum alloy Fencing System Merge enduring beauty with intelligent technology. Our Aluminum alloy fencing system now features integrated solar lighting, offering enhanced safety, ambiance, and sophisticated curb appeal after dusk – all powered completely by the sun. This seamless integration provides a maintenance-free solution for privacy and elegance, day and night





## TECHNICAL ASSURANCE

All solar components are engineered for seamless integration with our core Aluminum alloy fencing system, which boasts a 80-year lifespan against rot, decay, and insects. The system is designed for easy installation, complementing the low-maintenance nature of the WPC material

A modern grey fence with a fire burning at its base. The fence is made of horizontal panels and vertical posts. The fire is bright orange and yellow, burning on a bed of dark grey stones. To the right of the fire is a concrete walkway and some green plants. In the background, there are trees and a house with a white roof. The sky is blue with some clouds.

UNCOMPROMISING FIRE PERFORMANCE  
DEFINED BY NONCOMBUSTIBLE INTEGRITY

# IN THE HIERARCHY OF FIRE SAFETY, MATERIAL CLASSIFICATION DEFINES TRUE PERFORMANCE

Our fencing systems are fabricated entirely from 6063-T5 aluminum alloy, a material recognized under the International Building Code (IBC) as non-combustible, representing the highest level of fire-safe material classification.

Unlike combustible alternatives, our system:

Will not ignite under direct flame exposure

Will not contribute to flame spread

Will not generate combustible fuel load

This positions our fencing not merely as fire-resistant – but as fundamentally fire-proof by material nature.



# ALIGNED WITH THE HIGHEST U.S. FIRE SAFETY STANDARDS

Our systems are engineered in accordance with the most demanding fire safety frameworks in the United States:

IBC - Noncombustible Material Classification  
Aluminum meets the criteria consistent with ASTM E136 noncombustibility principles

California Building Code (CBC) Chapter 7A - WUI Compliance  
Suitable for use in Wildland-Urban Interface (WUI) fire-prone zones

Defensible Space Recommendations (CAL FIRE)  
Ideal for zones requiring noncombustible exterior elements





## A TRUE NONCOMBUSTIBLE SYSTEM

Every component is selected to ensure complete fire integrity:

Profiles: 6063-T5 aluminum alloy

Posts & Frames: Structural aluminum

Fasteners: 410 stainless steel

Combustible Content: Zero

This results in a system that achieves:

The Highest Level of Fire Safety by Definition

—not by rating, but by material classification.



# ALUMINUM FIRE-RESISTANT SAFE FENCE



Won't Burn in Flames

## BEYOND "FIRE RATING" – A HIGHER STANDARD

While many materials rely on applied treatments or limited fire ratings, our fencing achieves a superior benchmark:

It does not resist fire. It does not participate in fire.

This distinction is critical in wildfire-prone regions, where noncombustible materials are the preferred and often required solution.



## ENGINEERED FOR CALIFORNIA. TRUSTED ACROSS THE U.S

Purpose-built for compliance with California's strict wildfire regulations, our fencing systems deliver:

Code-aligned safety for WUI zones

Reduced fire risk at property boundaries

Confidence for architects, builders, and homeowners

# THE PINNACLE OF FIRE-SAFE FENCING

NONCOMBUSTIBLE. CODE-COMPLIANT. UNCOMPROMISING



**ALUMINUM FENCE**

NON-COMBUSTIBLE

FIRE-RESISTANT

**VS**



**COMPOSITE (PVC/WPC) FENCE**

COMBUSTIBLE MATERIAL

CAN CATCH FIRE