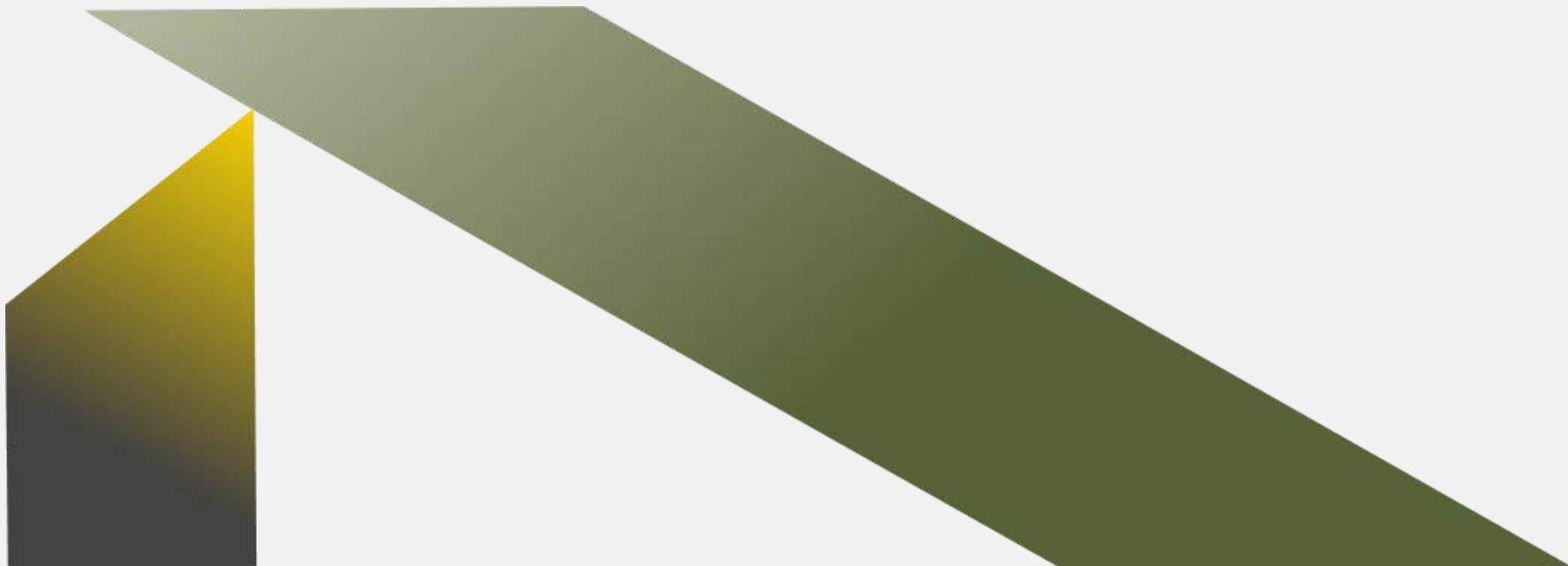




**PRIMEALUX**

DURABLE · AFFORDABLE · GREEN



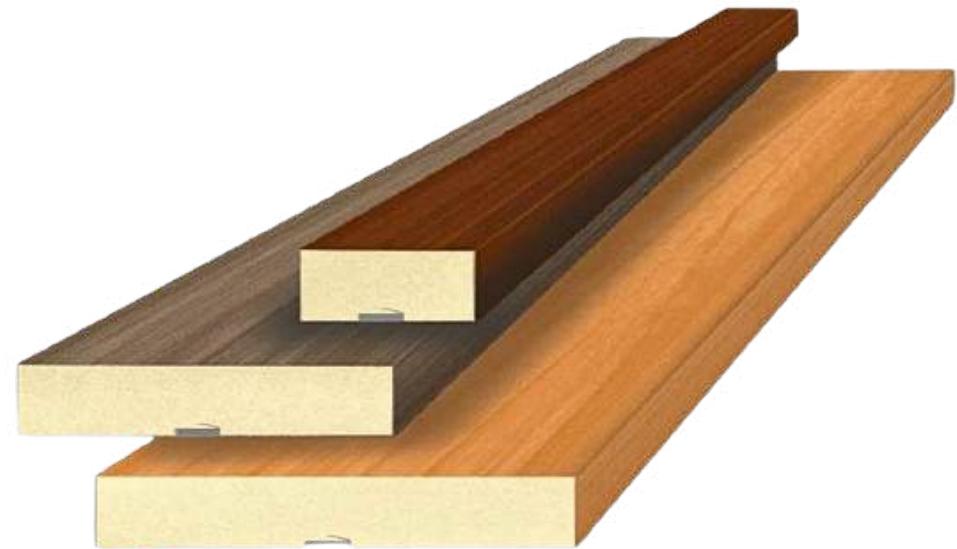
# PrimeAlux

PrimeAlux specializes in the design and manufacture of variety of aluminum solutions to enhance the aesthetics of your property and make it more attractive. In addition to being green and environment-friendly, our solutions are super durable and withstand severe weather conditions. Our systems are engineered to last for years, making them the best value.



# Iconic Slats

PrimeAlux Offers a premium modular Architectural systems combining elegant design, high quality, and value. Our Iconic insert slats are made of pre-painted aluminum coils with PU foam core providing superior flatness and strength while maintaining light weight.



## Durable

Our aluminum solutions are strong and durable due to the use of the highest quality raw material and manufacturing processes, which prevents any kind of corrosion, delamination, paint peeling, cracking, or chipping.

## Affordable

Our ready to assemble solutions can help our customers to save installation time and money. Thanks to our iconic, well engineered designs, our solutions require zero maintenance. Therefore, significantly reduces long-term investment cost.

## Green

Our solutions are made from green aluminum with up to 40% recycled content. The manufacturing operation is highly sustainable, with 50% of the energy used in our manufacturing process generated from solar energy. Our products are eco-friendly, recyclable, and lightweight.

# Key Features

PrimeAlux offers a ready-to-assemble, easy-to-install fencing system designed to enhance the value of your property. Our rich, vibrant colors and durable textures are crafted to maintain their appearance for years, requiring minimal maintenance while remaining resistant to insects, stains, and mold. With a diverse range of designs and configurations, PrimeFence seamlessly complements and elevates your outdoor architecture.



Easy to  
install



Lightweight  
& high  
strength



Innovative  
modern  
design



Variety of  
colors &  
natural  
wood  
designs



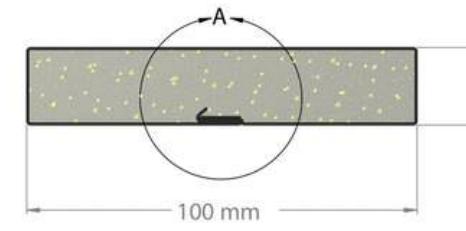
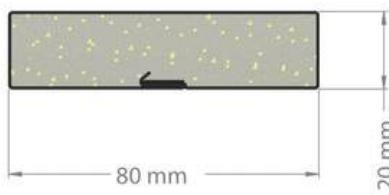
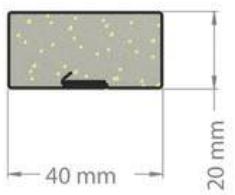
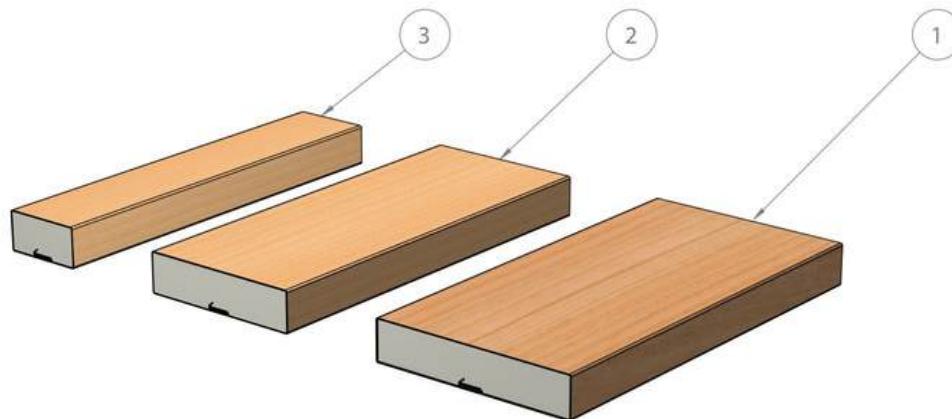
Affordable &  
maintenance  
free



Durable under  
extreme  
weather  
condition



Insect &  
mold  
free

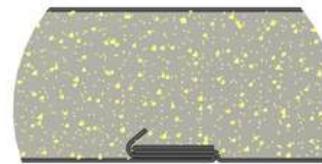


1. Aluminum Slat 20 x 100 (mm)

2. Aluminum Slat 20 x 80 (mm)

3. Aluminum Slat 20 x 40 (mm)

DETAIL A  
SCALE 2:1



# Colors & Coatings

A variety of finishes and patterns, including wood looks, allowing for customization to match different aesthetic preferences. The products are coated to prevent corrosion, delamination, paint peeling, cracking, or chipping. Where the structural components are powder coated, and the pickets are 3 layer coated to ensure high-weather durability, high-quality surface finish, uniform structure and coating thickness.

Standard



Natural Walnut  
(WU- 0384)

Standard



Grey Walnut  
(WU-0201)

Standard



Walnut  
(WU-0112)

Standard

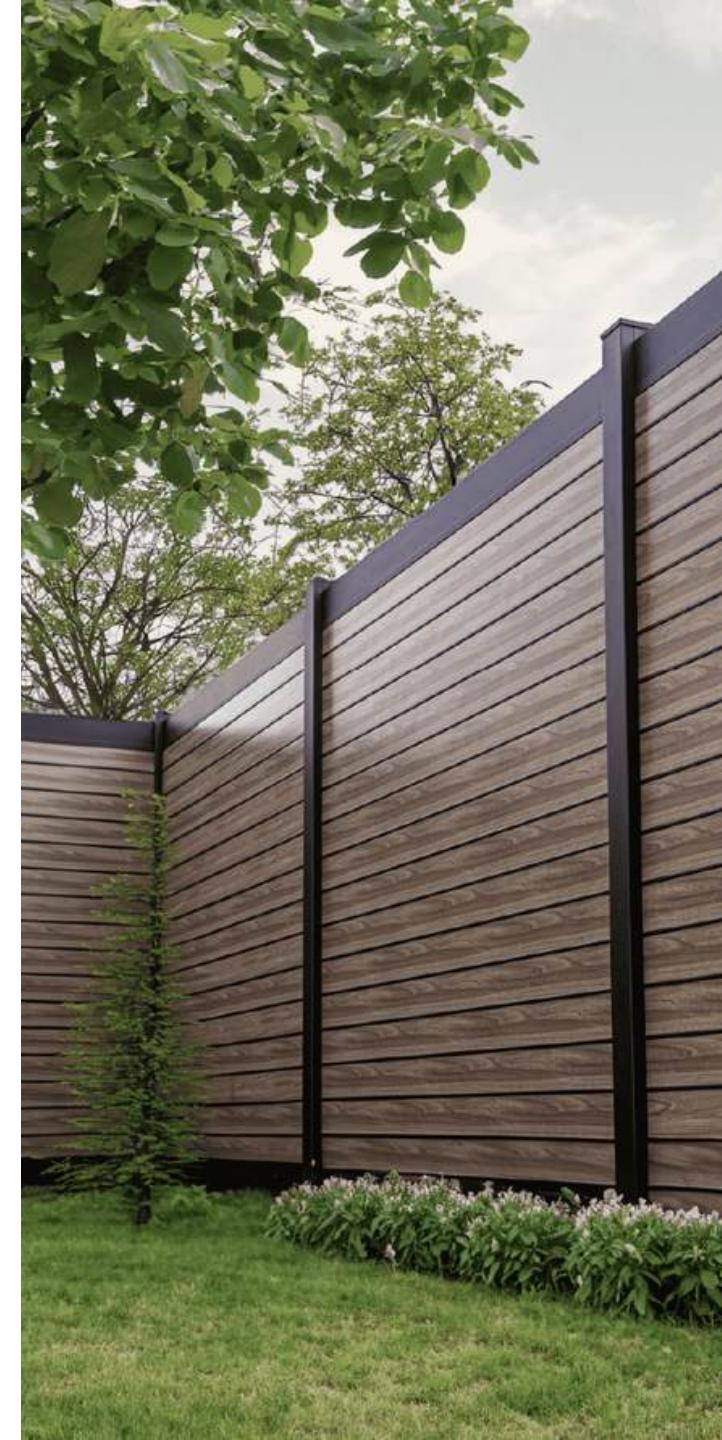


Dark Walnut  
(WU-0497)

Standard

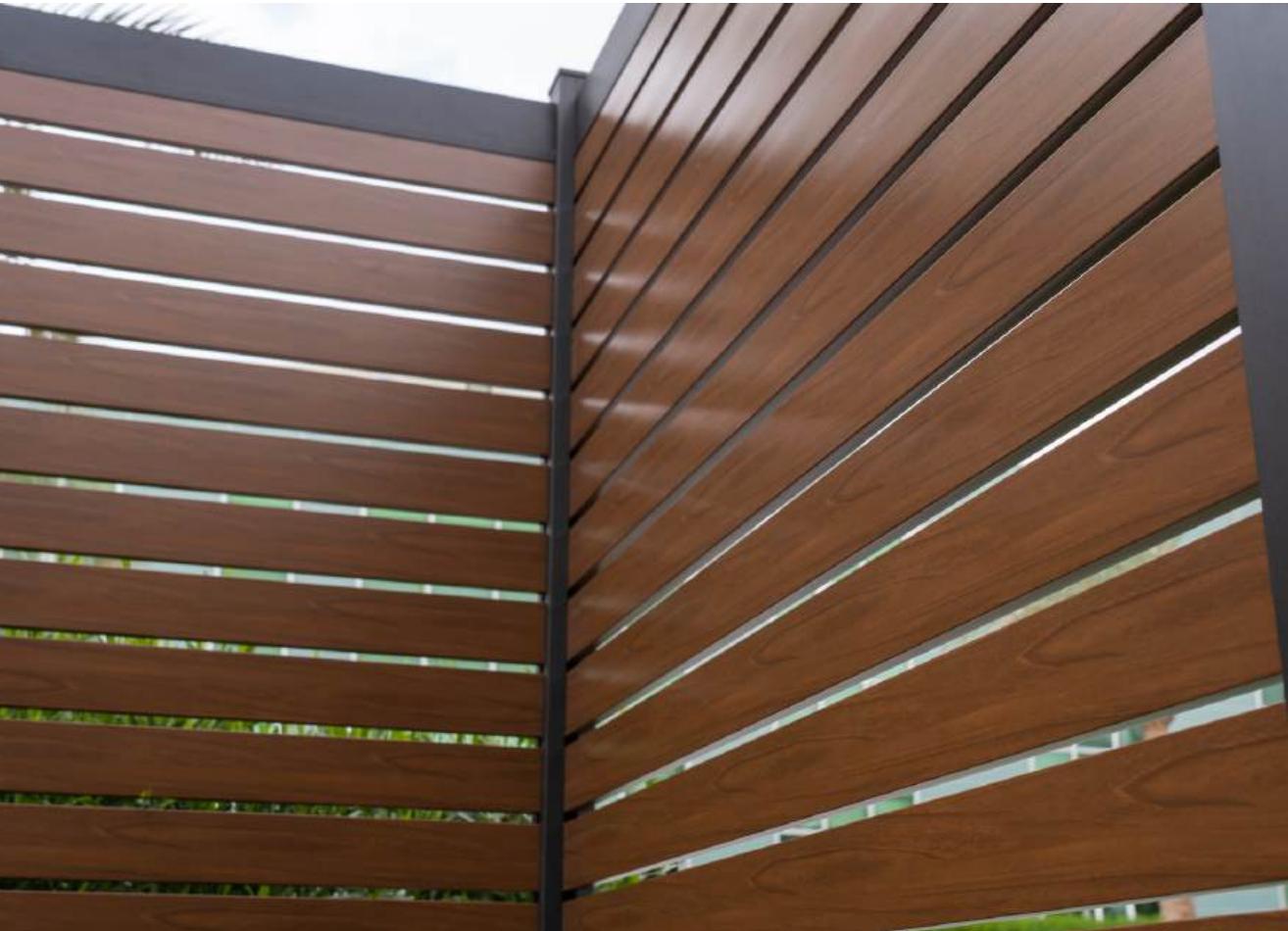


Grey Brown  
(PL-0598)



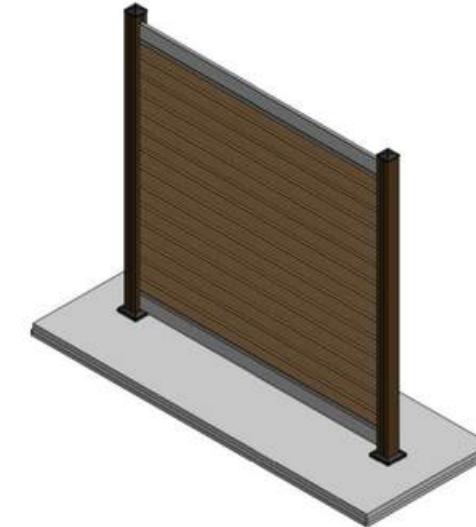
# Fence

PrimeAlux fence is our modular fencing solution that combines elegant design, high quality, and value.



# Fence Systems

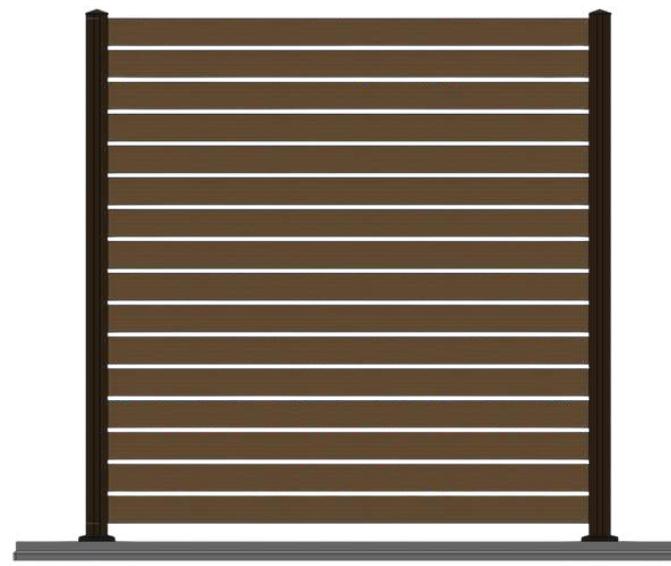
Whether you're looking for a horizontal or vertical fence, we offer both system to enhance the appearance of your property and keep it stylish. With our wide range of options, you can find the perfect fence to suit your preferences.



Horizontal



Vertical



Semi-Privacy



Privacy -Plus

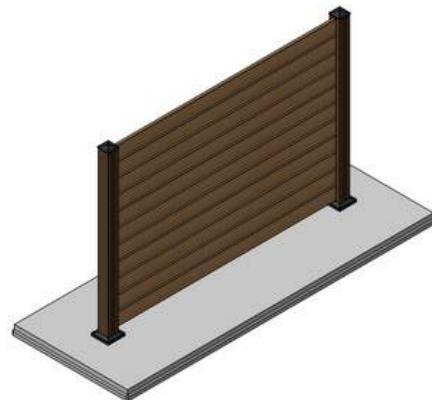
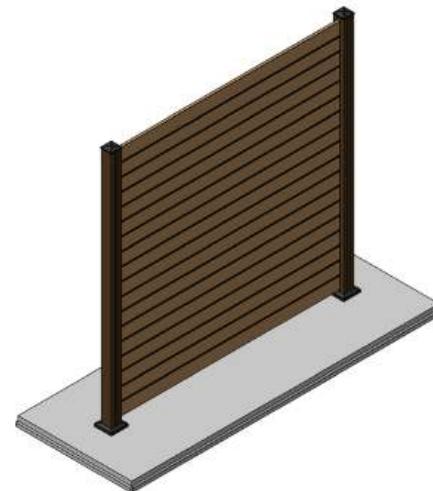
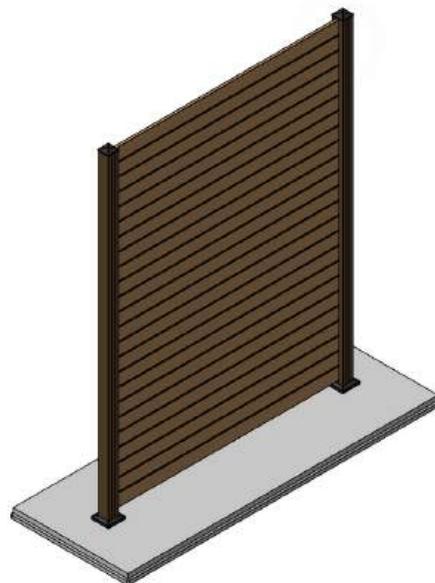


Privacy

# Fence Configurations

# Fence Sizes

We offer a variety of fence sizes to fit any property including custom sizes. Whether it's a residential home, park, or even commercial building. We have the perfect solution to meet your needs and elevate your outdoor living experience.



4' H x 6' W

4' H x 8' W

6' H x 6' W

6' H x 8' W

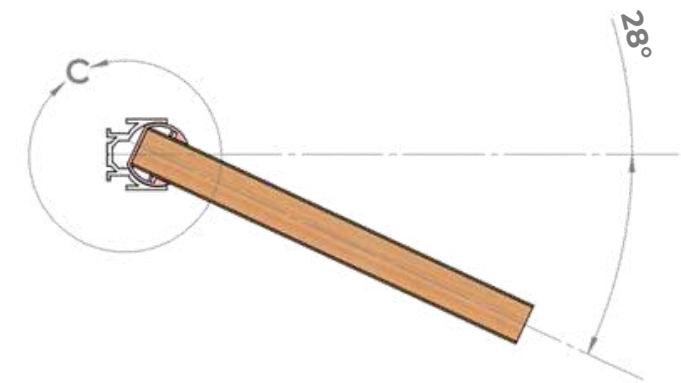
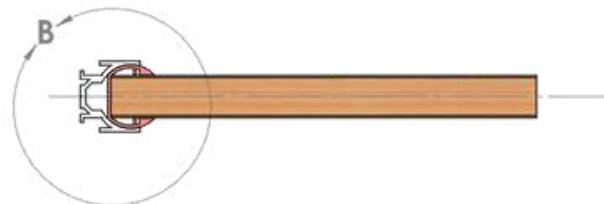
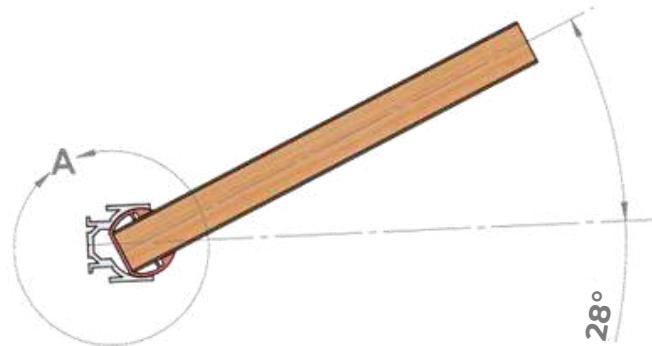
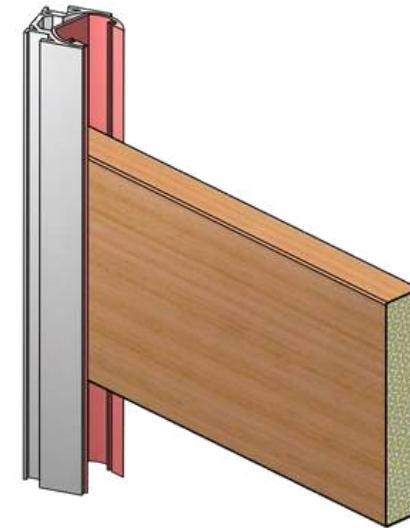
8' H x 6' W

8' H x 8' W

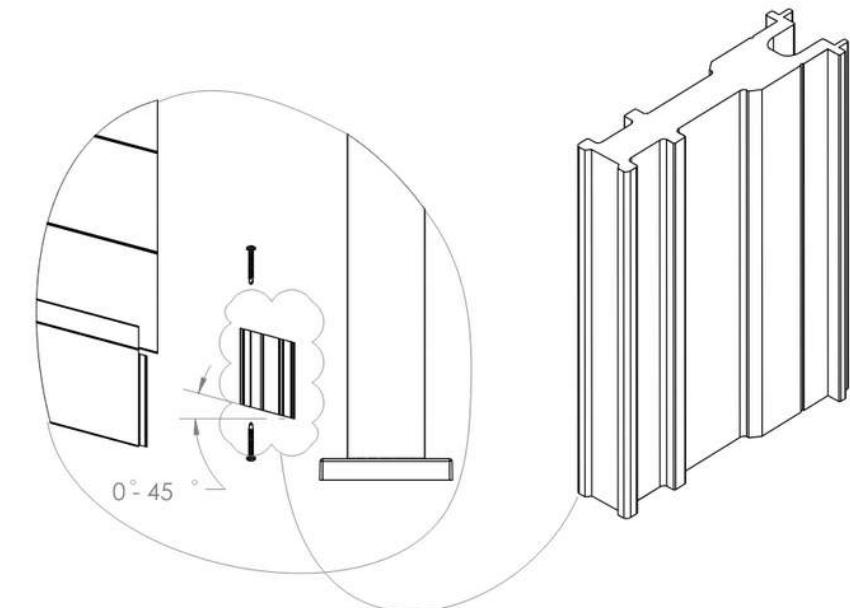
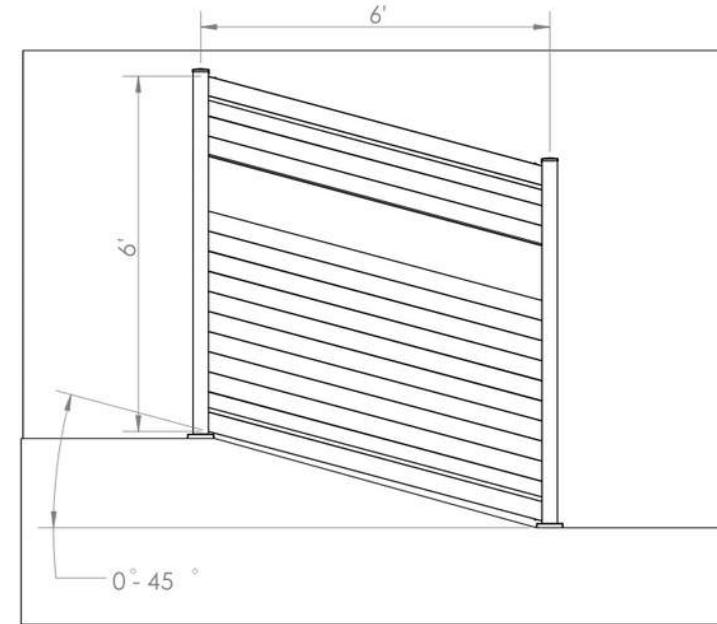
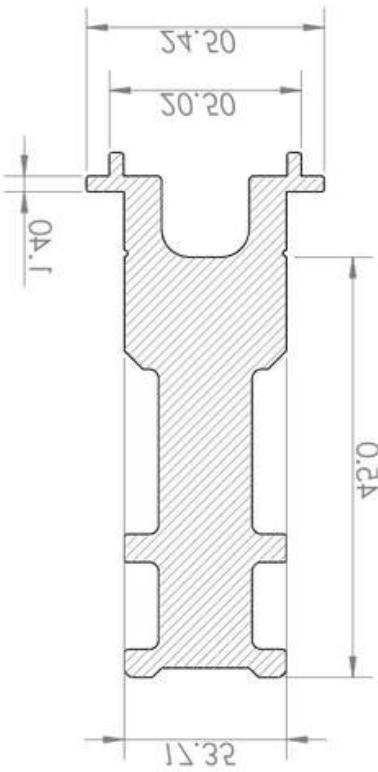
Custom size

# Flexi Accessory

Our fence flexi allows for easy installation of fences at angles up to 28 degrees for curved paths. This flexible component fits between fence posts, creating a stable foundation and a smooth curve for your fence.



# Slope Hardware



# Gate

Ensure the safety of your children and pets with our secure, stylish gates. Expertly designed to protect your property, our gates offer a welcoming and elegant entrance for guests while enhancing both the security and aesthetic appeal of your space.



# Gate sizes

Our gates come in different sizes to perfectly fit any project and match the surrounding fence, including custom-sized gates. Additionally, we understand how valuable your time and efforts are, Thus, our gates come pre-assembled, ready for quick and easy installation, and can be size-modified at all times.

2.6' W x 5' H

2.6' W x 6' H

4' W x 5' H

4' W x 6' H



# Privacy Screen

Elevate your space with high-quality privacy screens to protect people and property from unwanted eyes and ears, while also giving a space a polished look.



# Configurations

Privacy screens come in different types to meet various needs; Privacy for creating secluded spaces, Privacy-Plus for added strength and stability, and Semi-Privacy for a balance between openness and privacy.



Privacy



Privacy-Plus



Semi-Privacy



# Pergola

Sunroof Pergolas are perfect for your outdoor living needs. Whether you are looking for a beautiful pergola to shelter your outdoor space from the sun, or want an outdoor seating area for your patio, we have the solution.



**PRIMEALUX**  
DURABLE • AFFORDABLE • GREEN

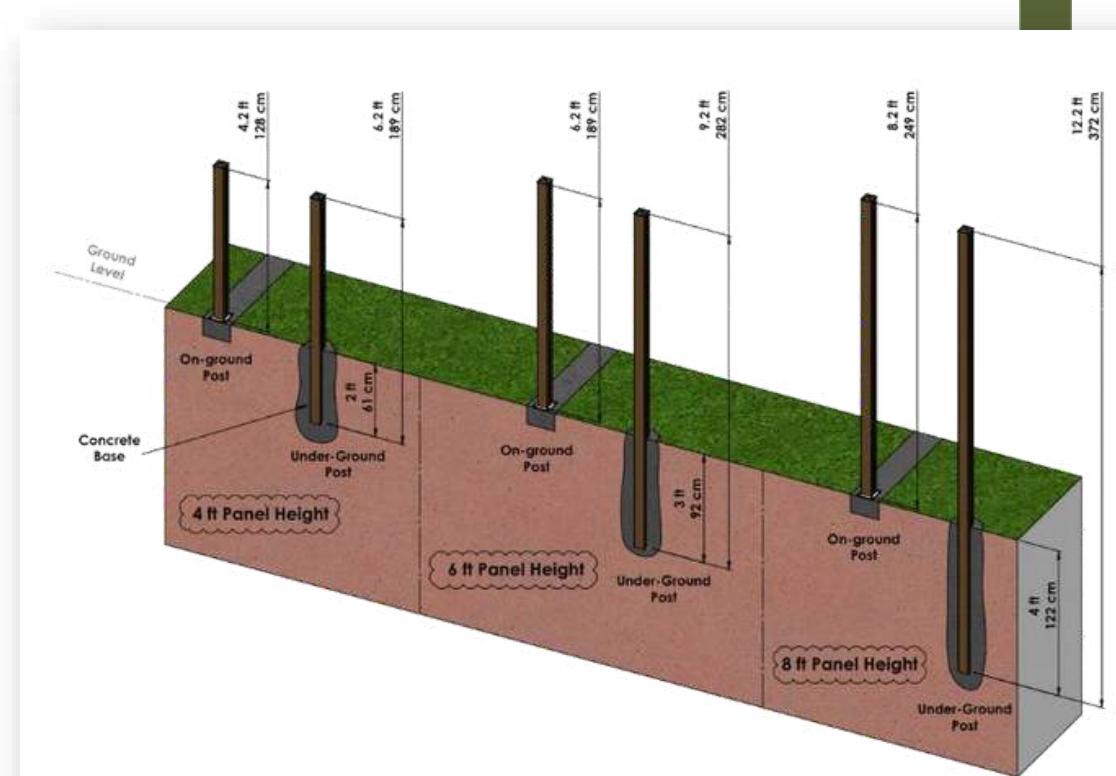
# Pergola Sizes and Styles

Available in a variety of sizes and styles, including custom sizes. Whether it's for a residential purpose, parks, or even a parking area. We have the perfect solution to meet your needs and elevate your outdoor living experience.



# Installation Methods

**PrimeAlux** systems can be installed either underground or on ground, making them suitable for a wide range of applications and environments.



# Wind Load Test

Wind load tests on aluminum fencing helps ensure that the fence can withstand strong winds and harsh weather conditions without being damaged or uprooted.

- Structural Integrity
- Safety assurances
- Durability
- Code Compliance
- Customer Confidence

## Wind Load Test

Two Rail Privacy Horizontal Fence 6'x6'

The 6' x 6' Privacy Fence Panel has undergone wind load laboratory testing and demonstrated its strength by withstanding a force of 500 kilograms-force (Kgf). This performance equates to a wind resistance of up to 171.4 kilometers per hour (Km/h), indicating the panel's robustness and durability in severe weather conditions, aligning with our commitment to quality and safety.

### Results

500 Kgf	171.4 Km/h
---------	------------

Experiment #	Accumulative Applied Force (Kgf)	Equivalent Wind Velocity (Km/h)	Deflection (mm)
1	141	91.0	5
2	260	123.6	12
3	301	132.9	18
4	366	146.6	23
5	413	155.7	29
6	453	163.1	34
7	473	166.7	39
8	491	169.8	45
9	500	171.4	-

  
Operational Manager (Signature)21/03/2024  
Date (DD/MM/YYYY)

# Fire Rating Test

The Primealux technology has undergone testing and has successfully achieved Class A rating in accordance with the ASTM E84 Fire Test.

This testing method evaluates the comparative surface burning behavior of building materials by determining both the Flame Spread Index (FSI) and the Smoke Development Index (SDI).



## TEST REPORT FOR ORBIT ALUMINUM INDUSTRIES

Report No.: T0044.01-121-24

Date: 10/06/25

### SECTION 8 TEST RESULTS

#### TEST RESULTS

Test Date	09/25/25
Test Operator	Graham Brillhart
Flame Spread Index (FSI)	0
Smoke Developed Index (SDI)	50

#### TEST DATA

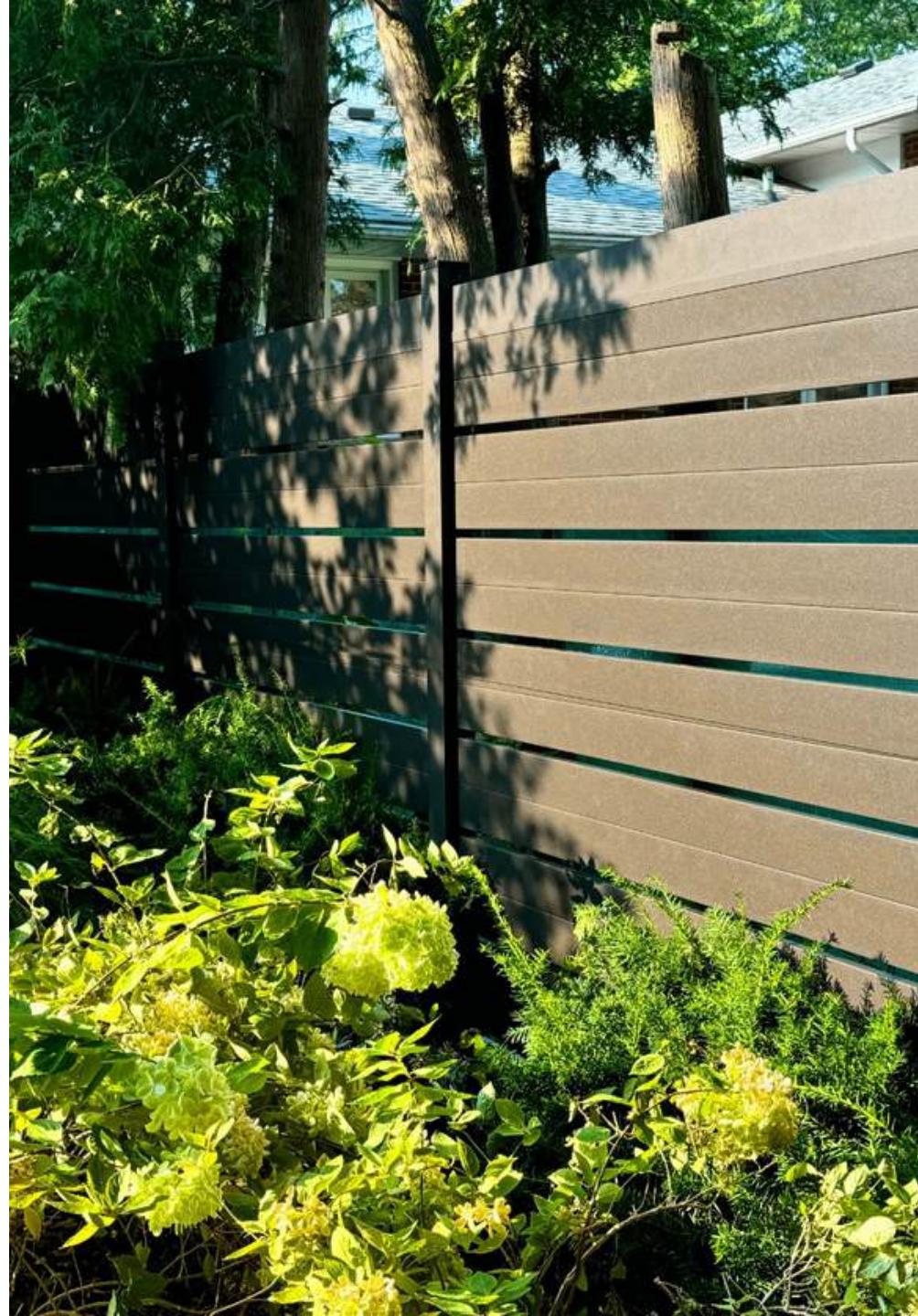
FSI (unrounded)	0.0
SDI (unrounded)	49.0
FS * Time Area (Ft * Min)	0.0
Smoke Area (% * Min)	30.7
Fuel Area ("F * Min)	5064.5

#### TEST OBSERVATIONS

Ignition Time	01:31 (Min:Sec)
Max Flame Front Advance	0.0 Feet
Time to Max Flame Front	00:00 (Min:Sec)
Max Temp At Exposed T/C	589.5°F
Time To Max Temp	09:53 (Min:Sec)
Dripping Observed	02:41 (Min:Sec)
Flaming On Floor Observed	03:17 (Min:Sec)
After Flame Top Observed	No
After Flame Floor Observed	No
Sagging Observed	00:44 (Min:Sec)
Delamination Observed	No
Shrinkage Observed	00:39 (Min:Sec)
Fallout Observed	No
Cracking Observed	No
Falling Ash	No
Additional Observations	None

# Environmental impact

PrimeAlux products are made from green aluminum with 40% recycled content. The manufacturing operation is highly sustainable, with 50% of the energy used in our manufacturing process generated from solar energy. Our products are eco-friendly & recyclable.



# PrimeAlux Comparative Competitive Analysis

	Material	Weight Installation Complexity	Colors/Coatings Warranty	Price Comparison	Environmental Impact
PrimeAlux	PU foam core aluminum (lightweight, durable)	Lightweight with slide-in system, easy and fast to install	Wide range of colors, including realistic wood-like textures, premium coating, & long warranty	Affordable mid-end market	Eco-friendly; recyclable aluminum, produced with 50% solar power, 40% recycled content
Extruded Aluminum	Solid extruded aluminum (heavy, very durable)	Heavy, requires more handling effort & time	Various colors, but limited in textures. Certain colors may have long lead times	Premium high-end market	Recyclable aluminum, though wood effect by heat sublimation generates plastic film that is not easily recyclable.
Vinyl	Polyvinyl Chloride (PVC, lightweight but less impact-resistant)	Lightweight, easy to install	Several colors but less realistic (Artificial) looking	Affordable mid-end market	None biodegradable & recyclable; Production process involves the release of harmful chemicals, including dioxins
WPC (Composite)	Wood-Plastic Composite (WPC, dense and durable)	Heavier, more handling demand requires strong support and takes longer to install	Multiple natural colors; mimics wood textures well but fewer custom options, but less realistic (Artificial) looking	Mid to High end market	Although it contains wood fibers, which are organic, the plastic components—typically PVC, polyethylene, or polypropylene—are not biodegradable.

# Get in Touch

Website: [www.primealux.com](http://www.primealux.com)

Email: [Info@primealux.com](mailto:Info@primealux.com)

Phone: +1 (437) 333-3032

Scan

