



PRODUCT

CATALOG

Trusted Manufacturing Partner for Commercial Architects



531-325-8080 EXT 2

www.palmshieldlouvers.com

PalmSHIELD ABOUT US

For over fifty years, **PalmSHIELD** has led the industry in designing and manufacturing. We offer the widest selection of louvered, solid, semiprivate, staggered, perforated, woven wire, and custom laser-cut systems – engineered to meet UBC and IBC wind load codes.

Our products are designed for ease of installation, with complete fabrication and field assembly drawings provided. From premium structural systems requiring no additional support to cost-effective louvers built for quick assembly, **PalmSHIELD** delivers solutions for every project and budget.

Dedicated to exceptional service, our project management team provides weekly updates with photos to ensure clear communication from start to finish. **PalmSHIELD** is proud to be recognized for both product excellence and outstanding customer experience.

CONTENTS

About Us	<u>3</u>
Elite Ground Screens	<u>4-17</u>
Rooftop Screens	<u>18-31</u>
Elite Batten Screens	<u>32-35</u>
Parking Garage	<u>36-39</u>
VersaLOUVER.....	<u>40-43</u>
Playsafe.....	<u>44-47</u>
Crash Rated.....	<u>48-57</u>
Acoustic Screens	<u>58-61</u>
Dumpster Enclosures	<u>62-65</u>
Architectural Gates.....	<u>66-75</u>
Pedestrian Gates	<u>76-81</u>
Access Control Gates	<u>82-85</u>
Railings.....	<u>86-89</u>
Sun Shades	<u>90-95</u>
Retractable Canopies.....	<u>96-101</u>
Bollards	<u>102-107</u>
Colors.....	<u>108-125</u>



PROJECT MANAGEMENT

Every screening project is assigned a dedicated project manager who provides Day One contact, weekly updates, fabrication drawings, timely follow-ups, and photos prior to shipment.



PROJECT DESIGN

PalmSHIELD's design and engineering team provides site-specific support and detailed fabrication drawings for your screening system, submitted for your approval.



PROJECT ENGINEERING

PalmSHIELD's screening systems are fully engineered, supported with engineering documents and project-specific stamped drawings from a local engineer.



FABRICATION & COATING

As custom metals fabricators, we combine our 80,000 sq. ft. facility with hands-on attention to your enclosure, backed by daily quality control and a Certified Weld Inspector (CWI).



INSTALLATION

PalmSHIELD's installation teams have over twenty years of experience and have completed projects in most major metropolitan areas.



TRANSPORTATION

PalmSHIELD has shipped hundreds of projects nationwide, partnering with trusted carriers and maintaining constant communication to ensure timely, reliable delivery.

ELITE

PRODUCT LINE

PalmSHIELD GROUND SCREENS

After almost twenty years, **PalmSHIELD** has redesigned their panel framework and column profiles, providing considerable enhancements. From custom infill materials to a variety of finishes, we've got you covered. Whether your project requires a modern aesthetic or a blend with natural surroundings, **PalmSHIELD** Elite delivers unmatched versatility. All panels can be use for rooftop screens as well.



DUAL SIDED

For a sharp, clean finish



POST FLEXIBILITY

No additional fasteners required



VARIANCE FORGIVING

Adjustable seam width



SLOPE ADAPTABILITY

Integration for every installation



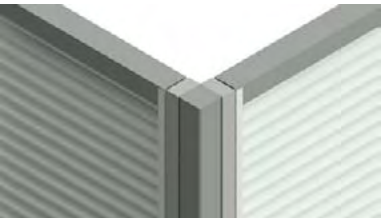
COMPRESSION STRENGTH

Easily adjustable panels



FASTER INSTALLATION

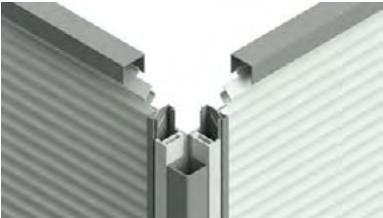
Detachable locking flange



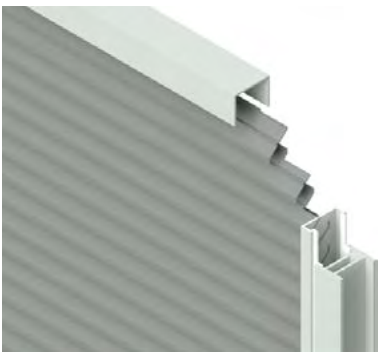
Corner Post
Exterior Assembled View



Connection Detail
Connection Detail - Interior View



Corner Post
Interior Cut Away View



Corner Post
Interior Cut Away View



Panel
Exploded View



Elite Rooftop Mounting Adaptor
Diagonal Support and A1000
Equipment Rail

GROUND SCREENS

All color options can be seen starting on page 108
All panels can be use for rooftop screens as well.

ELITE PRODUCT LINE

From custom infill options to a wide range of finishes, PalmSHIELD Elite offers the versatility to fit any project—whether modern or naturally inspired.



Louvered Infill

ALUMINUM LOUVERED BLADE





Louvered Infill

ALUMINUM LOUVERED





Louvered Infill

COMPOSITE LOUVERED

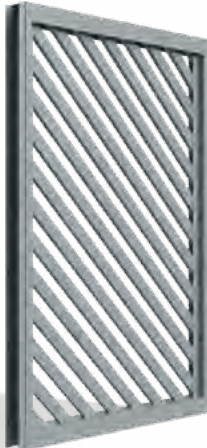




Louvered Infill

VINYL LOUVER





Louvered Infill

DIAGONAL LOUVER





Louvered Infill

VERTICAL LOUVER



GROUND SCREEN SPECS

WIDTHS & HEIGHTS
Height: Unlimited
Width: 6' Maximum

PANEL COLUMN & FRAMEWORK
Column: PalmSHIELD exclusive 4" deep x 3" wide custom I-Beam with loose flange. Patent Pending.

Plate:
Panel
Vertical: PalmSHIELD exclusive 4" wide x 2" deep x 1/8" tapered compression profile. Patent Pending.

Panel
Top Cap: 4" x 3" x 1/8" aluminum channel.

Panel
Bottom Cap: 4" x 3" x 1/8" aluminum channel. Intermediate 1" x 1/8" bar

Materials: 6063-T6 Aluminum

Fittings &
Accessories: All fittings and accessories shall be stainless steel as specified by the manufacturer.





Semi-Private Infill

ALUMINUM SEMI-PRIVATE





Semi-Private Infill

COMPOSITE SEMI-PRIVATE



GROUND SCREENS

[All color options can be seen starting on page 108](#)
All panels can be use for rooftop screens as well.

ELITE PRODUCT LINE

Explore the cutting-edge features of the **PalmSHIELD Elite** framework. Crafted to deliver the ultimate blend of strength, versatility, and contemporary design for any screening application.



Semi-Private Infill

**VINYL
SEMI-PRIVATE**



CLICK HERE
FOR MORE
SPECS



Alternating Infill

**ALUMINUM
ALTERNATING**



CLICK HERE
FOR MORE
SPECS



Staggered Infill

**ALUMINUM
STAGGERED**



CLICK HERE
FOR MORE
SPECS



Staggered Infill

**COMPOSITE
STAGGERED**



CLICK HERE
FOR MORE
SPECS



Alternating Infill

**VINYL
ALTERNATING**



CLICK HERE
FOR MORE
SPECS



Solid Infill

**ALUMINUM
SOLID**



CLICK HERE
FOR MORE
SPECS

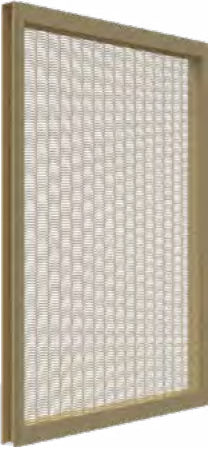


Staggered Infill

**VINYL
STAGGERED**



CLICK HERE
FOR MORE
SPECS



Modern Expanded
Metal Infill

CATIVAR



CLICK HERE
FOR MORE
SPECS



Solid Infill

**COMPOSITE
SOLID**



CLICK HERE
FOR MORE
SPECS



Solid Infill

VINYL SOLID



CLICK HERE
FOR MORE
SPECS



Modern Expanded
Metal Infill

DE MODA



CLICK HERE
FOR MORE
SPECS



Modern Expanded
Metal Infill

LUXOS



CLICK HERE
FOR MORE
SPECS

GROUND SCREENS

All color options can be seen starting on page 108
All panels can be use for rooftop screens as well.

ELITE PRODUCT LINE





Modern Expanded Metal Infill

SIRO





Modern Expanded Metal Infill

APEX01

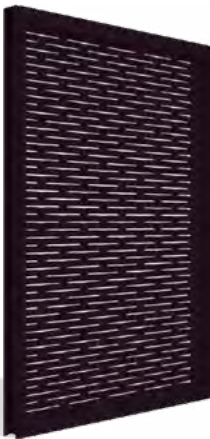




Modern Expanded Metal Infill

GARCIA

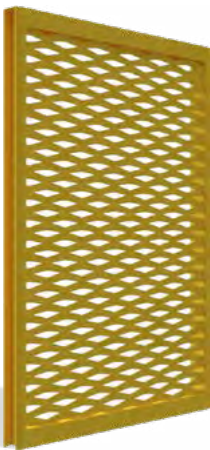




Modern Expanded Metal Infill

MODIG





Modern Expanded Metal Infill

APEX03





Modern Expanded Metal Infill

APEX04





Modern Expanded Metal Infill

HINTER





Modern Textured Infill

BEAD





Modern Expanded Metal Infill

APEX05





Modern Expanded Metal Infill

BELLESA





Modern Textured Infill

BIO5





Modern Textured Infill

BIO6F



GROUND SCREENS

All color options can be seen starting on page 108
All panels can be use for rooftop screens as well.

ELITE PRODUCT LINE

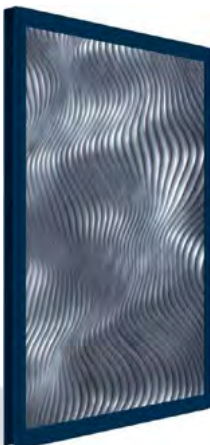




Modern Textured Infill

BIO8

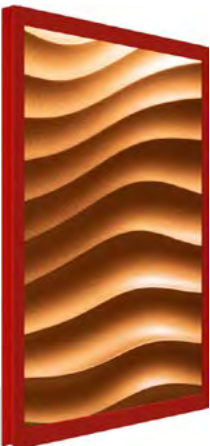




Modern Textured Infill

COU-001





Modern Textured Infill

COU-001X2





Modern Textured Infill

COU-002





Modern Textured Infill

COU-003





Modern Textured Infill

SOU-009





Modern Contemporary Infill

FOCUS





Modern Contemporary Infill

METALLIC





Modern Contemporary Infill

UNI-COLOUR





Modern Contemporary Infill

NATURAL





Faux Infill

FAUX BRICK





Faux Infill

FAUX STONE



GROUND SCREENS

All color options can be seen starting on page 108
All panels can be use for rooftop screens as well.

ELITE PRODUCT LINE

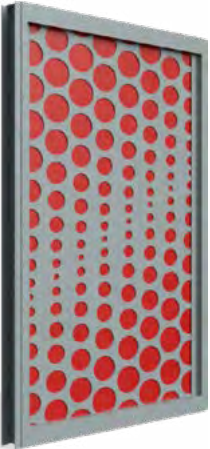




Faux Infill

FAUX CONCRETE





Illuminated Laser Cut Infill

OPAQUE LASER CUT





Illuminated Laser Cut Infill

TRANSLUCENT LASER CUT





Illuminated Laser Cut Infill

LED BACKLIT





Laser Cut Infill

ORGANIC WAVES





Laser Cut Infill

AUTUMN CASCADE





Laser Cut Infill

BUBBLE MATRIX





Laser Cut Infill

MOORISH LATTICE





Laser Cut Infill

DIGITAL DROPS





Laser Cut Infill

SCATTERED LIGHT





Laser Cut Infill

CHEVRON PEAK





Laser Cut Infill

SOUND WAVES



GROUND SCREENS

All color options can be seen starting on page 108
All panels can be use for rooftop screens as well.

ELITE PRODUCT LINE



Laser Cut Infill

BAMBOO GROVE



Laser Cut Infill

SYMBOL



Open Infill

CUSTOM ARTISTIC



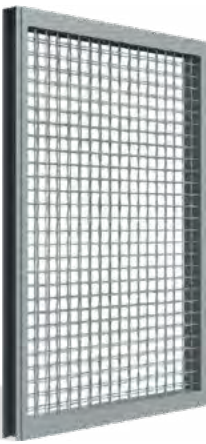
Open Infill

PERFORATED



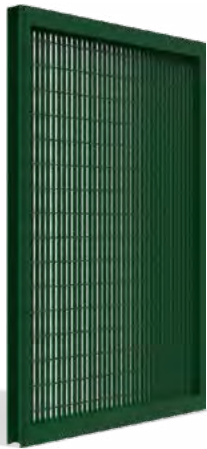
Trellis Infill

**ESPALIER
SINGLE MESH**



Trellis Infill

**ESPALIER
DOUBLE MESH**



Open Infill

BAR GRATING



Semi-Private Infill

INTERLACED



FORTE

PRODUCT LINE



PalmSHIELD ROOFTOP SCREENS

PalmSHIELD’s Forte Rooftop Screening is the ultimate engineered solution for rooftop enclosures. Combining strength, simplicity, and modern design, Forte is built like a fortress, using industry-proven structural profiles. It is engineered to withstand wind speeds of up to 150 mph, ensuring your equipment is protected even in extreme conditions.



INSTALLER-FRIENDLY ASSEMBLY

Minimal parts and a streamlined installation process.



ECONOMIC SOLUTIONS

Utilizes industry-standard panel sizes to keep costs low.



CODE & STANDARD COMPLIANT

Meets all local building codes, including wind and fire resistance requirements.



ENGINEERED FOR DURABILITY

Withstands wind speeds of up to 150 mph.



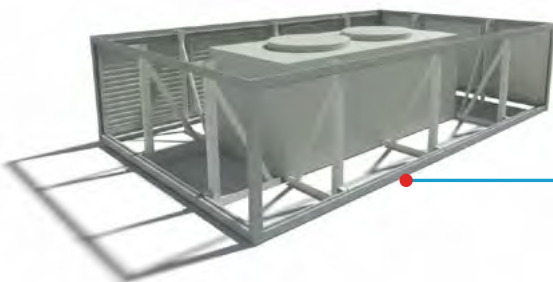
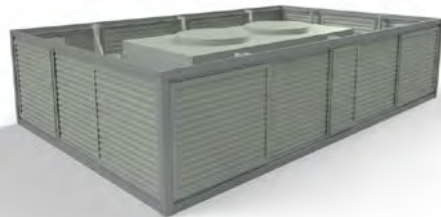
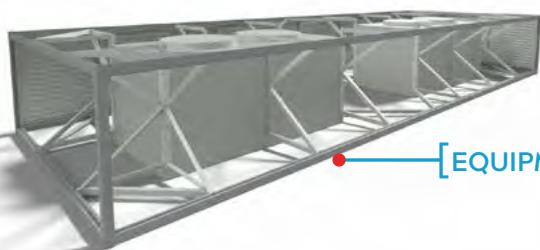
PROJECT SPECIFIC ENGINEERING

Tailored solutions to meet unique project requirements.



NO ROOFTOP PENETRATION REQUIRED

Minimal parts and a streamlined installation process.



ROOFTOP SCREENS

All color options can be seen starting on page 108
All panels can be use for ground screens as well.

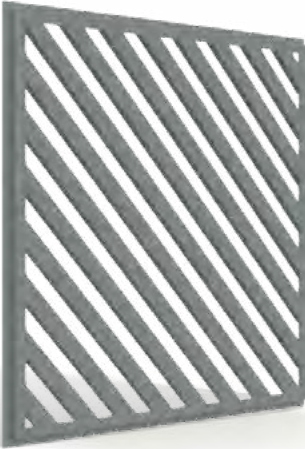
FORTE PRODUCT LINE

PalmSHIELD Forte is the revolutionary rooftop screen design. Used to obscure and protect RTU equipment, it can be attached either to your rooftop or directly to the equipment itself.



Louvered Infill

HORIZONTAL



Louvered Infill

DIAGONAL



Solid Infill

ALUMINUM



Solid Infill

COMPOSITE



Solid Infill

VINYL



Solid Infill

CORRUGATED



ROOFTOP SCREEN SPECS

WIDTHS & HEIGHTS

- Height:** Standard heights 48" to 96"
- Width:** Standard widths 36" to 60"

PANEL COLUMN & FRAMEWORK

- Panel Framework:** 1-3/8" x 2-1/8" x 1/8" Z channel
- Top Channel:** 3" x 4" x 1/8" with panel track flanges.
- Bottom Channel:** 3" x 3 1/2" x 1/8" with panel track flanges.
- Corner Vertical Supports:** 3" x 3" x 1/4" angle
- Intermediate Supports:** 2" x 2" x 1/4" angle
- Materials:** 6063-T6 Aluminum Fittings &
- Accessories:** All fittings and accessories shall be stainless steel as specified by the manufacturer.



ROOFTOP



Semi-Private Infill

ALUMINUM



Semi-Private Infill

COMPOSITE



ROOFTOP SCREENS

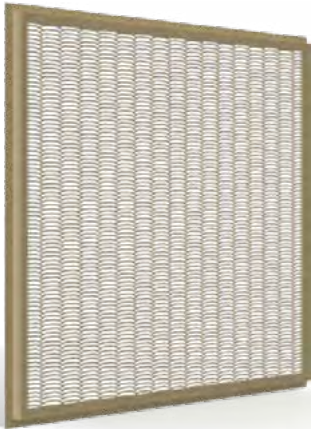
All color options can be seen starting on page 108
All panels can be use for ground screens as well.

FORTE PRODUCT LINE



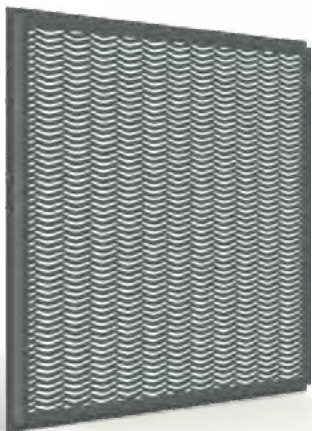
Semi-Private Infill

VINYL



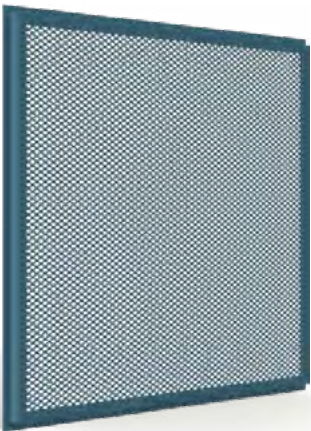
Modern Expanded Metal Infill

CATIVAR



Modern Expanded Metal Infill

DE MODA



Modern Expanded Metal Infill

LUXOS



Modern Expanded Metal Infill

SIRO



Modern Expanded Metal Infill

APEX01



ROOFTOP MOUNTED STRUCTURAL ANALYSIS SUMMARY

MEMBER DETAILS

All structural members use 6061-T6 aluminum angle sections:

M1, M5: L3"x3"x0.25", 72" long
M2, M6: L3"x3"x0.25", 36" long
M3, M7: L2.5"x2.5"x0.25", 80.498" long
M8: L2"x2"x0.25", 6' long (appears in both configurations)

CRITICAL LOAD CASE

All members are governed by Load Case 5: D+0.6W (Dead + 60% Wind Load)

STRUCTURAL PERFORMANCE

Maximum stress ratios (lower is better, must be <1.0):

- Configuration 1: 0.742 (Member M7)
- Configuration 2: 0.776 (Member M3)

Both designs are structurally adequate with all stress ratios below 1.0.

KEY ENGINEERING CHECKS PERFORMED

- Bending stress (primary concern)
- Shear stress
- Deflection limits (all well within L/300+ ratios)
- Buckling analysis using AA ADM1-15 (Aluminum Design Manual)

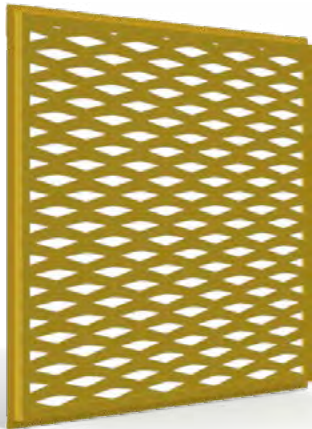
DESIGN LOADS AND CALCULATIONS

The hand calculations show:

- Wind pressure calculations for 150 mph exposure
- Moment calculations for the T-post configuration
- Member capacity checks against applied loads

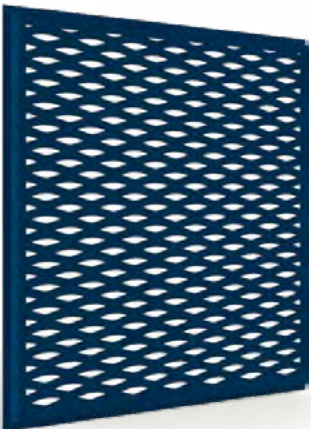
PROFESSIONAL CERTIFICATION

The calculations are properly sealed and certified by a licensed Professional Engineer, meeting regulatory requirements for structural design.



Modern Expanded Metal Infill

APEX03



Modern Expanded Metal Infill

APEX04



ROOFTOP SCREENS

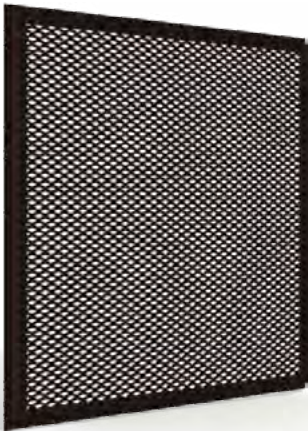
All color options can be seen starting on page 108
All panels can be use for ground screens as well.

FORTE PRODUCT LINE



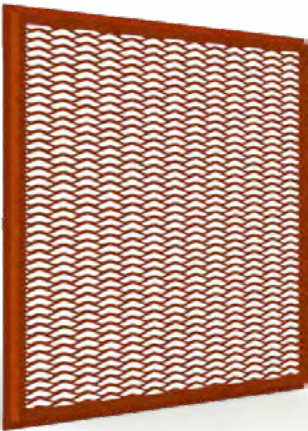
Modern Expanded
Metal Infill

APEX05



Modern Expanded
Metal Infill

BELLESA



Modern Expanded
Metal Infill

GARCIA



Modern Expanded
Metal Infill

HINTER



Modern Expanded
Metal Infill

MODIG



Modern
Textured Infill

BEAD



EQUIPMENT MOUNTED STRUCTURAL ANALYSIS SUMMARY

MEMBER DETAILS

All structural members use 6061-T6 aluminum
angle sections:

PRIMARY STRUCTURAL MEMBERS:

M10: L2"x2"x0.25", 51.614" long
M11: L2"x2"x0.25", 51.614" long
M12: L2"x2"x0.25", 42" long
M13: L2"x2"x0.25", 42" long
M14: L3"x3"x0.25", 60" long
M14A: L2"x2"x0.25", 42" long
M15-M23: Various L2"x2"x0.25" members
with different lengths

CRITICAL LOAD CASE

Load Case 5: D+0.6W (Dead + 60% Wind Load)
governs all members

-STRUCTURAL PERFORMANCE

Maximum stress ratios (lower is better,
must be <1.0):
M21: 0.686 (highest stress ratio)
M16: 0.682
M14: 0.490
M15, M17: 0.430 each
M20, M22: 0.371 each
M19, M23: 0.323 each

M14A, M18: 0.303 each

KEY ENGINEERING CHECKS PERFORMED

Bending stress (primary concern for most members)
Shear stress
Deflection limits (all well within acceptable ratios
>L/760)
Buckling analysis using AA ADM1-15 (Aluminum
Design Manual)

DESIGN LOADS AND CALCULATIONS

The hand calculations show:

Wind pressure calculations for 150 mph exposure
Moment calculations for the T-post configuration
Member capacity checks against applied loads

PROFESSIONAL CERTIFICATION

The calculations are properly sealed and certified
by a licensed Professional Engineer, meeting
regulatory requirements for structural design.



Modern
Textured Infill

BIO5



Modern
Textured Infill

BIO6F



ROOFTOP SCREENS

All color options can be seen starting on page 108
All panels can be use for ground screens as well.

FORTE PRODUCT LINE



ROOFTOP



Modern
Textured Infill

BIO8



CLICK HERE
FOR MORE
SPECS



Modern
Textured Infill

BIO8F



CLICK HERE
FOR MORE
SPECS



Modern
Textured Infill

SOU 009



CLICK HERE
FOR MORE
SPECS



Modern
Contemporary Infill

FOCUS



CLICK HERE
FOR MORE
SPECS



Modern
Textured Infill

COU-001



CLICK HERE
FOR MORE
SPECS

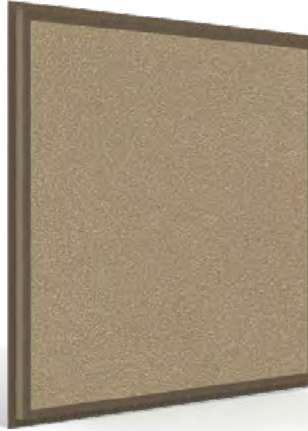


Modern
Textured Infill

COU-001X2



CLICK HERE
FOR MORE
SPECS



Modern
Contemporary Infill

METALLICS



CLICK HERE
FOR MORE
SPECS



Modern
Contemporary Infill

UNI-COLOUR



CLICK HERE
FOR MORE
SPECS



Modern
Textured Infill

COU-002



CLICK HERE
FOR MORE
SPECS



Modern
Textured Infill

COU-003



CLICK HERE
FOR MORE
SPECS



Modern
Contemporary Infill

NATURAL



CLICK HERE
FOR MORE
SPECS



Modern
Contemporary Infill

**ORGANIC
WAVES**



CLICK HERE
FOR MORE
SPECS

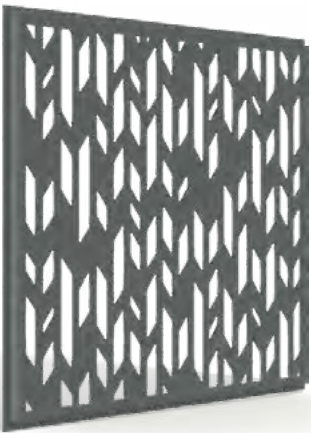
ROOFTOP SCREENS

All color options can be seen starting on page 108
All panels can be use for ground screens as well.

FORTE PRODUCT LINE



ROOFTOP

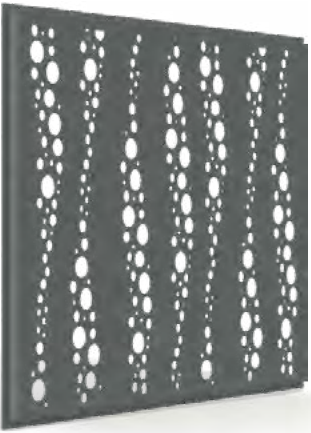


Laser Cut Infill

**AUTUMN
CASCADE**



CLICK HERE
FOR MORE
SPECS

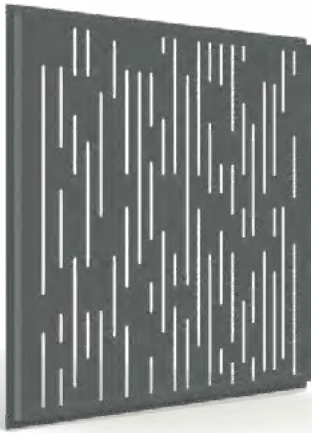


Laser Cut Infill

**BUBBLE
MATRIX**



CLICK HERE
FOR MORE
SPECS

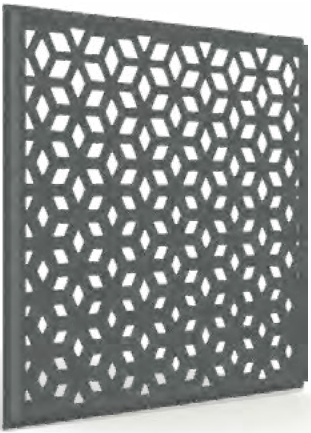


Laser Cut Infill

SOUND WAVES



CLICK HERE
FOR MORE
SPECS

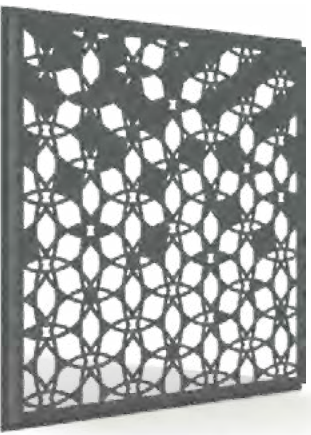


Laser Cut Infill

**HONEYCOMB
MESH**



CLICK HERE
FOR MORE
SPECS

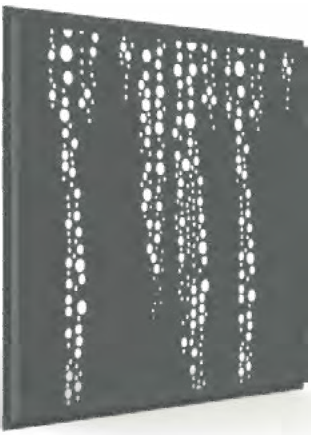


Laser Cut Infill

**MOORISH
LATTICE**



CLICK HERE
FOR MORE
SPECS

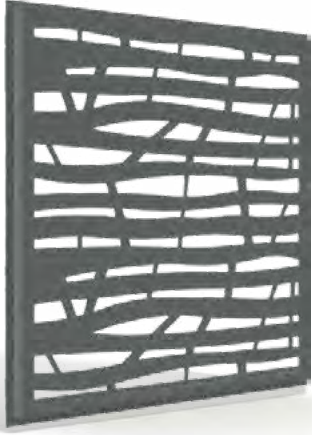


Laser Cut Infill

**DIGITAL
DROPS**



CLICK HERE
FOR MORE
SPECS



Laser Cut Infill

**BAMBOO
GROVE**



CLICK HERE
FOR MORE
SPECS

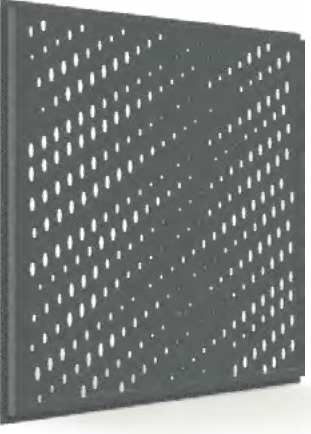


Laser Cut Infill

**CROSSHATCH
MATRIX**



CLICK HERE
FOR MORE
SPECS



Laser Cut Infill

**SCATTERED
LIGHT**



CLICK HERE
FOR MORE
SPECS



Laser Cut Infill

**CHEVRON
PEAK**



CLICK HERE
FOR MORE
SPECS

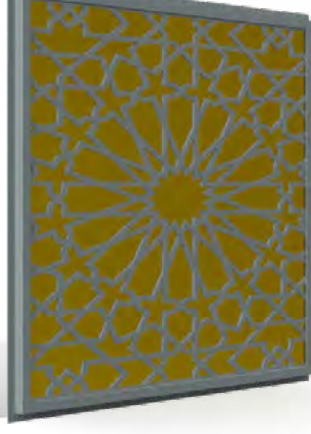


Laser Cut Infill

SYMBOL



CLICK HERE
FOR MORE
SPECS



Illuminated Laser
Cut Infill

TRANSLUCENT



CLICK HERE
FOR MORE
SPECS

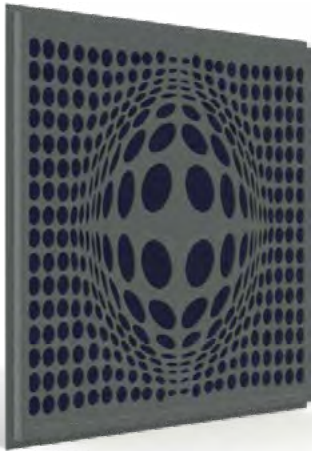
ROOFTOP SCREENS

All color options can be seen starting on page 108
All panels can be use for ground screens as well.

FORTE PRODUCT LINE

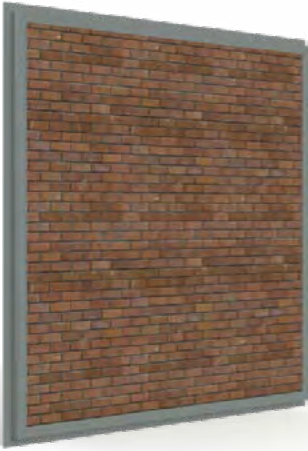


ROOFTOP



Illuminated Laser
Cut Infill

OPAQUE



Faux Infill

FAUX BRICK



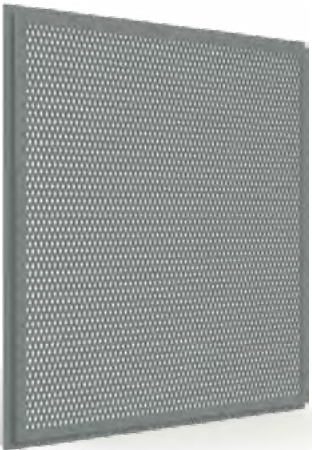
Faux Infill

FAUX STONE



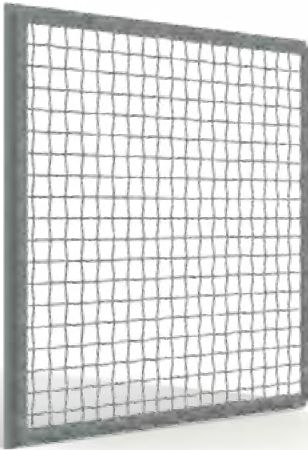
Faux Infill

FAUX
CONCRETE



Open Infill

PERFORATED



Open Infill

WIRE MESH



Open Infill

BAR GRATING



Semi-Private Infill

INTERLACED



BATTEN

PRODUCT LINE



PalmSHIELD ELITE BATTEN SCREENS

Vertical aluminum open style (without solid backing) batten panels create a clean, modern appearance with strong linear definition and visual height enhancement. Ideal for architectural screening and decorative applications, vertical battens provide an upscale contemporary aesthetic while maintaining airflow and partial visibility through the panel system. These panels allow increased airflow, visibility, and dimensional depth. This design creates a lighter architectural appearance while still providing partial screening and visual concealment.

PalmSHIELD sublimation finishes combine the durability of aluminum with the realistic appearance of natural wood, stone, and metal textures. Using an advanced sublimation process, each finish is permanently transferred into the aluminum coating system to create a highly durable, fade-resistant architectural finish with exceptional visual realism.



WITHSTANDS HIGH WINDS

Engineered to withstand wind speeds of up to 150 mph.



180 MPH

Achieve up to 180 mph wind speeds with additional supports



DADE COUNTY

Pending Miami Dade County N.O.A



STREAMLINED INSTALLATION

Minimal parts and a streamlined installation process.



TAILORED SOLUTIONS

Tailored solutions to meet unique project requirements.



BATTEN INFILL SCREENS

All color options can be seen starting on page 122.
All panels can be use for ground screens and wall mounted screens.

BATTEN PRODUCT LINE

Sublimation finishes combine the durability of aluminum with the realistic appearance of natural wood, stone, and metal textures.



Horizontal Aluminum



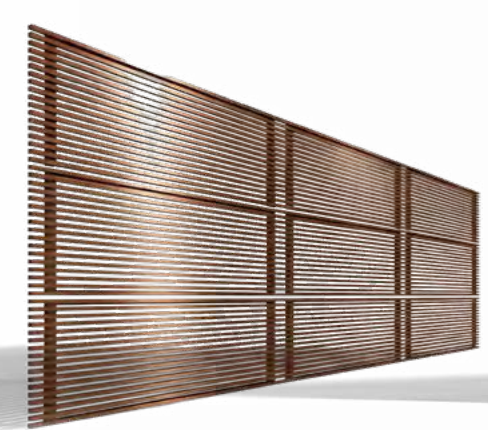
Vertical Aluminum



Horizontal Aluminum Solid Backing



Vertical Aluminum Solid Backing



Horizontal Wall Mounted



Vertical Wall Mounted



ALL FINISHES & COLORS AVAILABLE

METAL



Brushed 1



Brushed 2



Corten



Galvanized



Steel

STONE



Concrete



Dark



Granite



Light



Marble



Travertine

WOOD



American Douglas



Golden Oak



Knotty Pine



Mediterranean Cherry



National Walnut



Teak

All our metal infills are available in all styles and finishes. Below are just a few examples:



PARKING GARAGE

PRODUCT LINE



PalmSHIELD PARKING GARAGE SYSTEM

PalmSHIELD’s architectural parking garage screening systems bridge the gap between functionality and design. Engineered to meet ventilation requirements while maintaining sleek architectural appeal, our screening systems enhance curb appeal, boost security, and protect your structure—all without compromising airflow.

Your Parking Garage Deserves More Than a Basic Screen.
Choose **PalmSHIELD** for premium parking garage screening systems engineered for beauty, airflow, and structural integrity. From concept to installation, we’ll help you design a solution that elevates your entire building facade.

Our system provides the following:



ENGINEERED STRENGTH

Including for high wind loads



CLEAN ARCHITECTURAL LINES

Consistent reveals, high-quality finish to complement building profiles.



NUMEROUS MATERIALS

(Architectural louvers, perforated, etc.) and custom color options to match building designs.

GARAGE

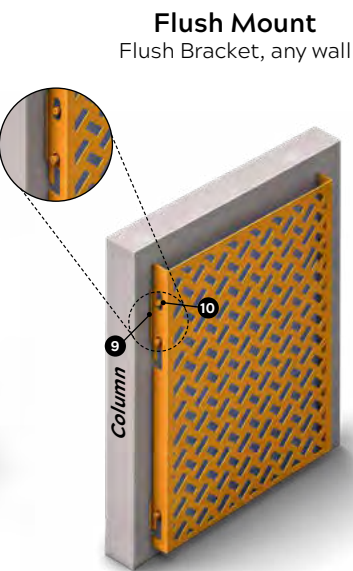
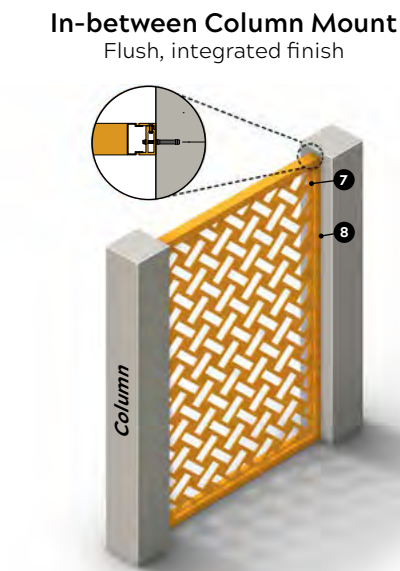
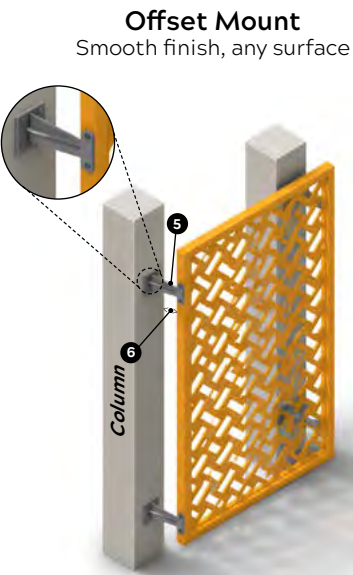
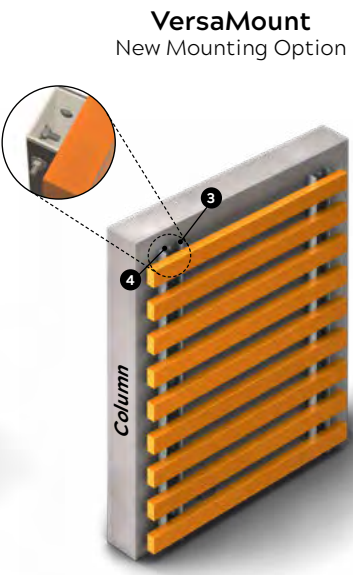
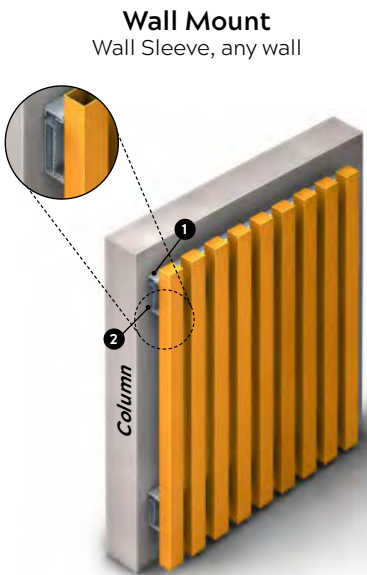


PARKING GARAGE SCREENS

They all use the same panel styles and materials -
the difference is how they meet your structure.

GARAGE SYSTEMS

ARCHITECTURAL PARKING
GARAGE SCREEN SYSTEMS

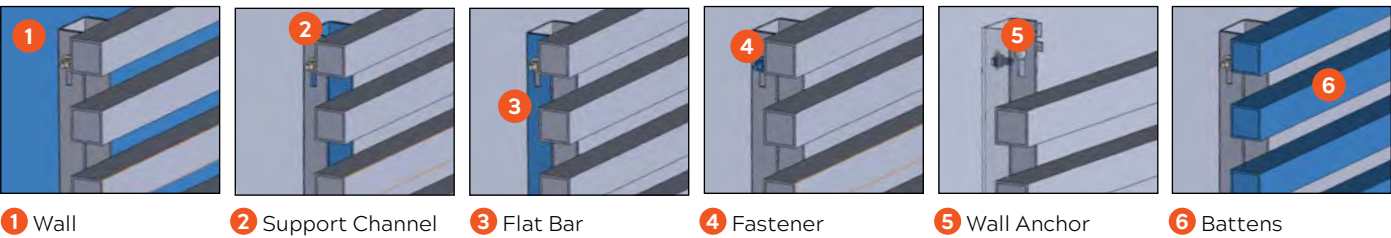


- 1 Flange
- 2 Wall Sleeve
- 3 Support Channel
- 4 Wall Anchor
- 5 Bracket
- 6 Adjustable
- 7 Wall Sleeve
- 8 Flange
- 9 Bracket
- 10 Panel Anchor

WALL MOUNT: This system uses heavy duty brackets to *mount directly to* the concrete structure.



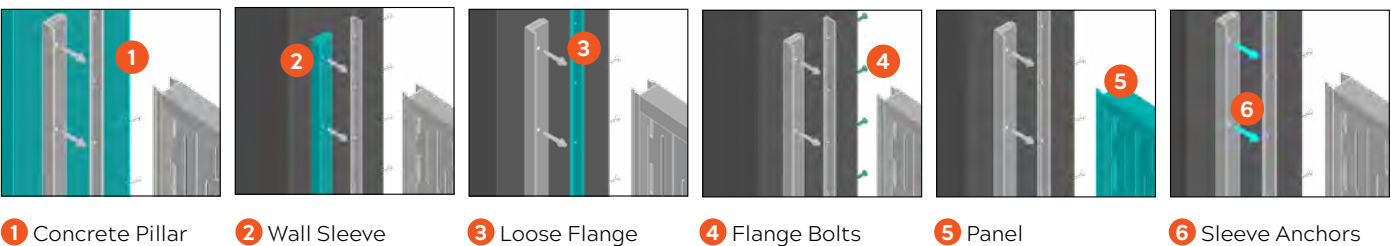
VERSAMOUNT: This system uses heavy duty brackets to *mount directly to and offset panels from* the concrete structure.



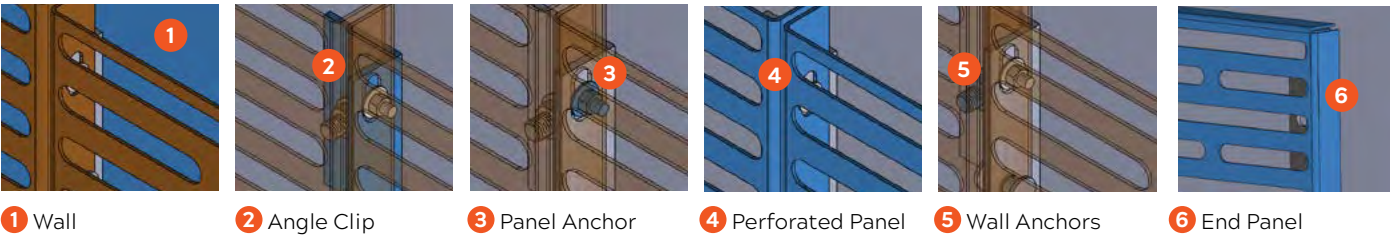
OFFSET MOUNT: This system uses heavy duty brackets to *mount directly to and offset panels from* the concrete structure.



IN-BETWEEN COLUMN MOUNT: Designed for installation *between pillars*, this system uses wall sleeves to anchor panels to the concrete structure.



FLUSH MOUNT: This system uses heavy duty brackets to *mount directly to* the concrete structure.



VersaLOUVER™

CONTINUOUS LOUVER SYSTEM

PalmSHIELD VersaLOUVER™ SYSTEM

PalmSHIELD's VersaLOUVER™ redefines architectural screening with a patent-pending continuous louver system that combines striking aesthetics with superior performance. Designed to eliminate visible frames, brackets, and thousands of fasteners, VersaLOUVER™ delivers a seamless free-floating appearance while simplifying installation, maximizing design flexibility, and providing engineered structural performance for demanding commercial applications.



CONCEALED ATTACHMENT SYSTEM

No exposed hardware.



CONTINUOUS ARCHITECTURAL APPEARANCE

Free-floating blade design.



THREE-STEP INSTALLATION

Installs dramatically faster.



FULLY FABRICATED

Per your system design



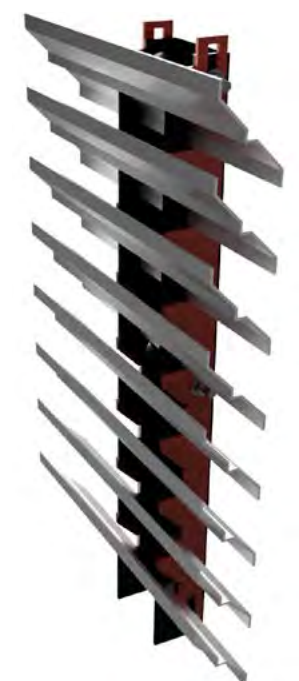
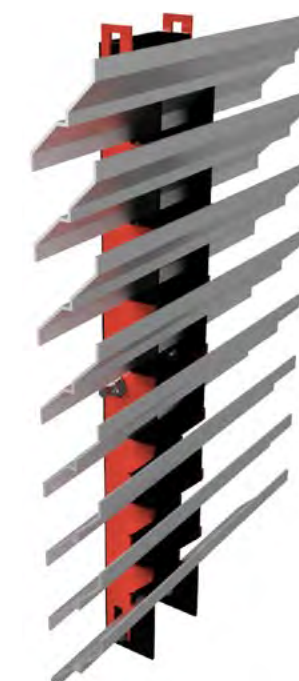
STRUCTURAL PERFORMANCE

Engineered up to 150 MPH.



EASY BLADE REPLACEMENT

Replace one louver instead of the entire system.

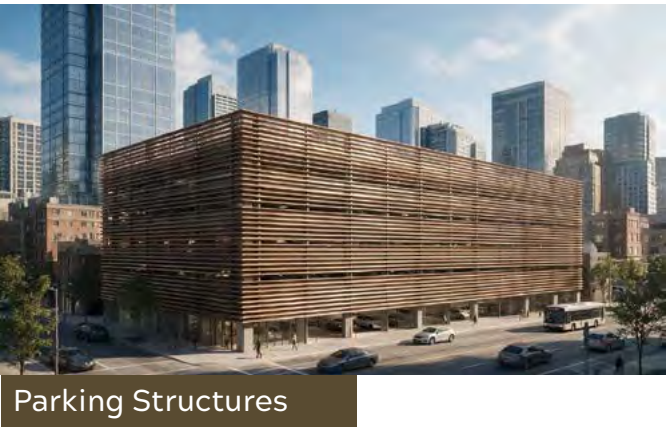


IDEAL APPLICATIONS

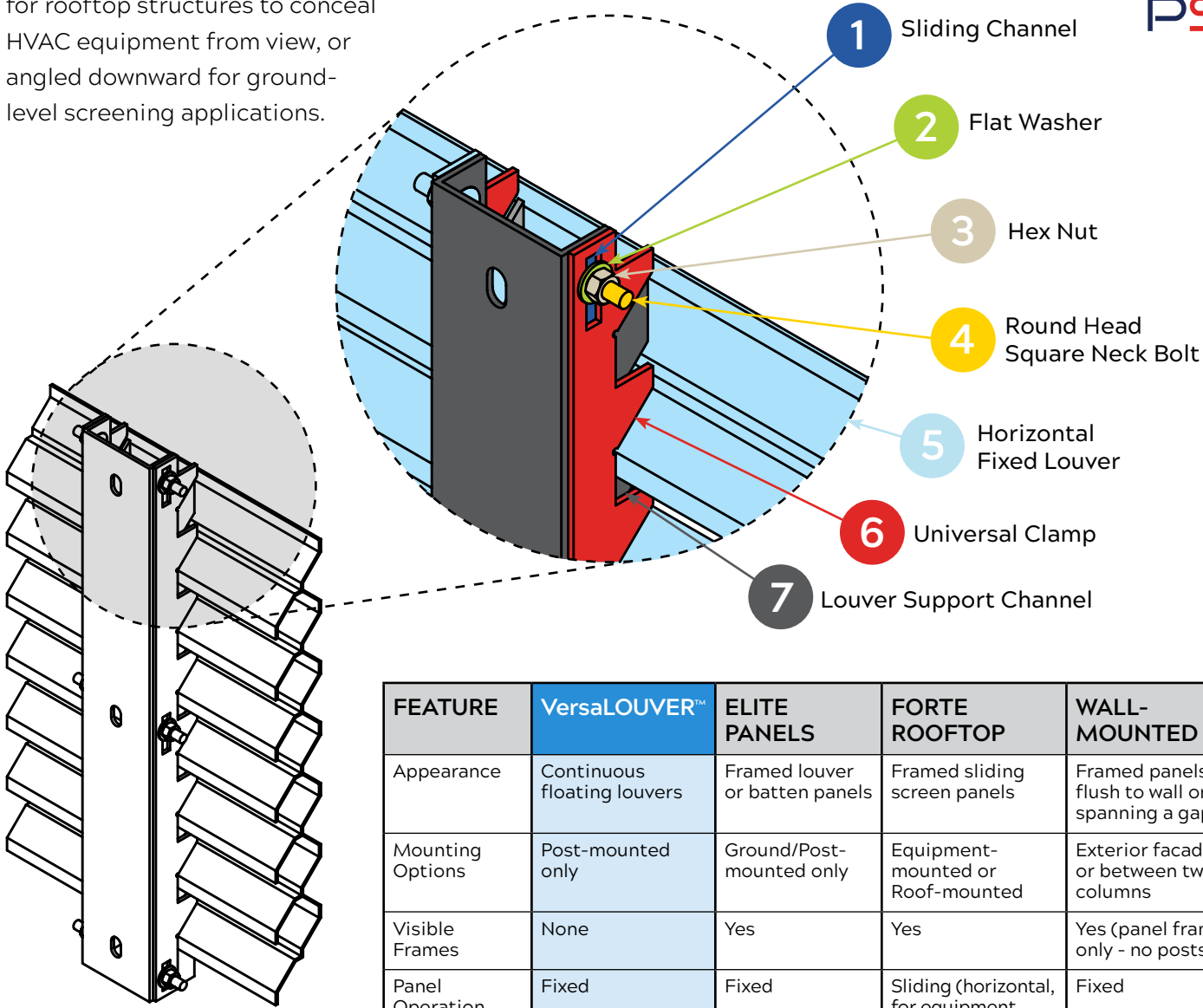
In all colors from composite, vinyl, powder coat, metal, stone and wood finishes [starting on page 108](#)

VersaLOUVER™ SYSTEM

VersaLOUVER hides the structural attachment system behind the louvers, giving architects the clean, seamless look they want—no exposed brackets, frames, or fasteners.



Louvers can be angled upward for rooftop structures to conceal HVAC equipment from view, or angled downward for ground-level screening applications.



- UNIVERSAL CLAMPING**
All louvers lock simultaneously.
- FIELD ADJUSTABLE**
Move, reposition, shorten or splice during installation.
- NO FIELD CONFIGURATION**
Provide custom drawings to your field application.

FEATURE	VersaLOUVER™	ELITE PANELS	FORTE ROOFTOP	WALL-MOUNTED
Appearance	Continuous floating louvers	Framed louver or batten panels	Framed sliding screen panels	Framed panels, flush to wall or spanning a gap
Mounting Options	Post-mounted only	Ground/Post-mounted only	Equipment-mounted or Roof-mounted	Exterior facade or between two columns
Visible Frames	None	Yes	Yes	Yes (panel frame only - no posts)
Panel Operation	Fixed	Fixed	Sliding (horizontal, for equipment access)	Fixed
Requires Existing Structure	✓ (customer provided columns)	Optional (PalmSHIELD posts standard)	No (self contained bracket system)	✓ (existing wall/ column required)
PalmSHIELD Framework	✓	✓	✓	✓
Individual Blade Replacement	✓	No	No	No
Installation	Universal clamp to post	Panelized, bolted to posts	Bracket-mounted, panels slide on tracks	Wall-mounted sleeve, bolted/ anchored
Best For	High-end architectural screening	Ground Screening	Rooftop Equipment Screening	Facade screening or gap-fill (no posts/footings)

PLAYSAFE

PRODUCT LINE



PalmSHIELD PLAYGROUND SCREENS

Reduce distractions and enhance safety in high-noise areas. Discover the difference our acoustic panels can make. Transform noisy areas into focused workspaces with panels that combine superior noise control with an industrial-grade aesthetic.

PalmSHIELD's PlaySAFE Playground Screening offers the perfect balance of security and design, ensuring children stay safe while enhancing the aesthetics of playground environments.



PERSONALIZED BRANDING OPTIONS

Integrate school mascots, community logos, or unique symbols directly into the screen design



CUSTOM ARTISTIC DESIGNS

Make visual statement with decorative patterns



MEET ASTM & CPSC SAFETY STANDARDS

Compliance with industry regulations for playground safety



DURABLE & LOW- MAINTENANCE

High-quality materials that resist weathering, wear, and corrosion



SEAMLESS ARCHITECTURAL INTEGRATION

Designed to complement playground equipment, surrounding buildings, and landscaping



FLEXIBLE PANEL CONFIGURATIONS & SIZES

Custom sizes and arrangements to fit your space perfectly



www.Palmshieldlouvers.com

PLAYGROUND

PLAYGROUND SCREENS

All color options can be seen starting on page 108

All panels can be use for rooftop and ground screens as well.

PLAYSAFE PRODUCT LINE

PlaySAFE Playground Screening by PalmSHIELD is engineered to offer superior durability, safety, and design versatility.



Solid Infill

ALUMINUM



Solid Infill

COMPOSITE



Solid Infill

VINYL



Semi-Private Infill

ALUMINUM



Semi-Private Infill

COMPOSITE



Semi-Private Infill

VINYL



PLAYGROUND SCREEN SPECS

WIDTHS & HEIGHTS

Height: Unlimited

Width: 6' Maximum

PANEL COLUMN & FRAMEWORK

Column: PalmSHIELD exclusive 4" deep x 3" wide custom I-Beam with loose flange. Patent Pending.

Plate: 10" x 10" x 3/4" plate

Panel Vertical: PalmSHIELD exclusive 4" wide x 2" deep x 1/8" tapered compression profile. Patent Pending.

Panel Top Cap: 4" x 3" x 1/8" aluminum channel.

Panel Bottom Cap: 4" x 3" x 1/8" aluminum channel.

Intermediate: 1" x 1/8" bar

Materials: 6063-T6 Aluminum

Guard Rail: When specified, Hot-dipped galvanized steel W-Beam Guardrail 310 mm tall x 81 mm deep.

Fittings & Accessories: All fittings and accessories shall be stainless steel as specified by the manufacturer.

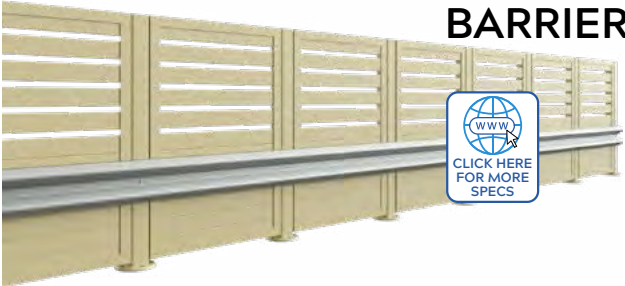


PLAYGROUND



Laser Cut Infill

ARTISTIC
LASER CUT



Barrier

VEHICLE
BARRIER



AKINITOS™

PRODUCT LINE

PalmSHIELD CRASH RATED

Akinitos™ combines **PalmSHIELD**'s industry-leading Elite architectural equipment screening with integrated Black Security Products passive cable barrier technology to create a single system that conceals critical infrastructure while defending it against vehicle threats. Unlike traditional crash barriers, Akinitos delivers certified perimeter protection without sacrificing the architectural appearance of your facility.

Akinitos™ is not simply a vehicle barrier or an architectural screen. It is a fully integrated perimeter security system that combines **PalmSHIELD**'s Elite architectural screening with Black Security Products' ASTM-certified passive cable barrier technology.

Unlike traditional perimeter barriers that remain fully exposed, Akinitos™ integrates the passive cable barrier directly into **PalmSHIELD**'s Elite screen system.

The cable barrier is concealed behind the architectural panels while heavy-duty structural end posts absorb and transfer impact forces during a vehicle collision.

The result is a cleaner architectural appearance without compromising certified crash performance. The engineering drawing shows the M30 P1 cable barrier installed behind the panel system and anchored within the structural end posts, illustrating how the integrated system functions.



CRASH RATED SCREENS

All color options can be seen starting on page 108.

AKINITOS™ PRODUCT LINE

Black Security Products and PalmSHIELD have teamed up to provide both crash proven technology and industry best screening options for your site's limited mechanical equipment assets and high security access points.



Louvered Infill

ALUMINUM LOUVERED BLADE



Louvered Infill

ALUMINUM LOUVERED



Louvered Infill

COMPOSITE LOUVERED



GROUND SCREEN SPECS

WIDTHS & HEIGHTS

Height: Unlimited
Width: 6' Maximum

PANEL COLUMN & FRAMEWORK

Column: PalmSHIELD exclusive 4" deep x 3" wide custom I-Beam with loose flange. Patent Pending.

Plate: 10" x 10" x 3/4" plate

Panel Vertical: PalmSHIELD exclusive 4" wide x 2" deep x 1/8" tapered compression profile. Patent Pending.

Panel Top Cap: 4" x 3" x 1/8" aluminum channel.

Panel Bottom Cap: 4" x 3" x 1/8" aluminum channel. Intermediate 1" x 1/8" bar

Materials: 6063-T6 Aluminum

Fittings & Accessories: All fittings and accessories shall be stainless steel as specified by the manufacturer.

CABLE BARRIER SPECS

CABLES

Height: Installed at the designed height per product drawings.

Secured to the post using BSP (Black Security Products) compression fittings.

POST

Size: 12 inch by .250 wall square pipe

Material: Carbon steel (galvanized after fabrication)

CRASH RATING & PENETRATION REQUIREMENTS

Medium sized vehicle: 15,000 lbs (6,804 kg) gross weight.
Impact Speed: Must be 30 mph (48 kph) for M30 rating

Vehicle Impact Direction: Perpendicular

P1: Penetration does not exceed 1 meter (3.3 feet) beyond the pre-impact inside edge of the barrier.

P2: Penetration is between 3.3 feet and 23 feet.

P3: Penetration is between 23 feet and 98 feet

P4: Penetration is greater than 98 feet



Louvered Infill

VINYL LOUVER



Louvered Infill

DIAGONAL LOUVER

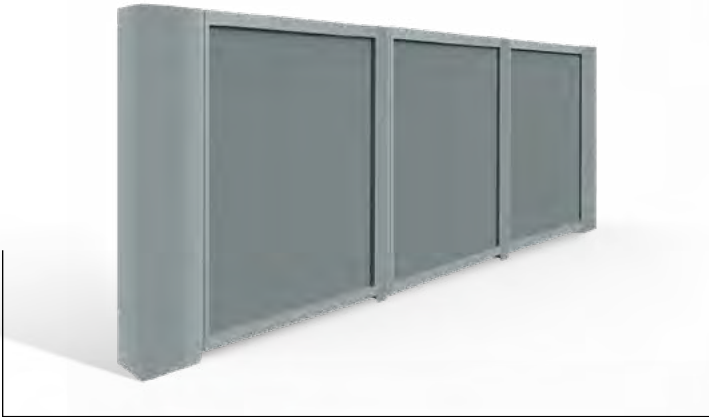


CRASH RATED

CRASH RATED SCREENS

All color options can be seen starting on page 108.

AKINITOS™ PRODUCT LINE



Louvered Infill

VERTICAL
LOUVER



Semi-Private Infill

ALUMINUM
SEMI-PRIVATE



Semi-Private Infill

COMPOSITE
SEMI-PRIVATE



Whether you're protecting critical generators, HVAC systems, or sensitive entry points, Akinitos™ M30 P1 Crash Rated Screening Barrer offers:

- | | | | | | |
|-----------------------------|--|---|---------------------------------|---|---|
| ASTM F2656
M30 P1 rating | Fixed horizontal
blades with custom
spacing for airflow
and screening | Supports up to
200" spacing
between posts | 100% direct
visual screening | Designed to satisfy
municipal code requirements
for dumpster and mechanical
equipment screening. | P1-less than
1 meter of
penetration |
|-----------------------------|--|---|---------------------------------|---|---|



Semi-Private Infill

VINYL SEMI-PRIVATE



Alternating Infill

ALUMINUM ALTERNATING



Alternating Infill

VINYL ALTERNATING



Solid Infill

ALUMINUM SOLID



CRASH RATED SCREENS

All color options can be seen starting on page 108.

AKINITOS™ PRODUCT LINE



Solid Infill

COMPOSITE SOLID



Solid Infill

VINYL SOLID



Staggered Infill

ALUMINUM STAGGERED



Secure, durable screening for critical infrastructure, sensitive equipment, and controlled access points. These applications include:

Data Centers Critical Infrastructure • Medical Facility Stored Flammable Liquids • Airport Access Points
Federal Building Access and Equipment • Stadium, Event Center and Arena Public • Private Access Points
Military Base Controlled Access • Equipment and Critical Wartime Equipment



Staggered Infill

COMPOSITE STAGGERED



Staggered Infill

VINYL STAGGERED



Laser Cut Infill

ARTISTIC



Laser Cut Infill

SYMBOL



CRASH RATED SCREENS

All color options can be seen starting on page 108.

AKINITOS™ PRODUCT LINE

Laser Cut Infill

BACKLIT



Laser Cut Infill

TRANSLUCENT



Laser Cut Infill

OPAQUE



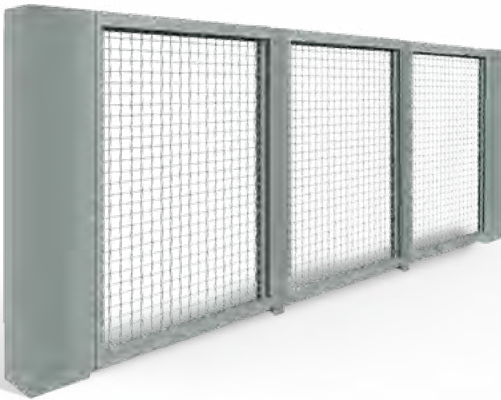
Let's Build Your Defense Strategy Today

Data Centers Critical Infrastructure • Medical Facility Stored Flammable Liquids • Airport Access Points
Your site's critical infrastructure deserves more than standard protection. Whether you're guarding access points at a federal facility, shielding data center equipment, or securing airport or military operations, the Akinitos™ solution offers unmatched strength, privacy, and peace of mind.



Open Infill

PERFORATED



Open Infill

WIRE MESH



CRASH RATED

SILERE

PRODUCT LINE

PalmSHIELD ACOUSTIC SCREENS

Industrial Acoustic Screening for Maximum Noise Control
Engineered Sound Barriers for Rooftop Equipment, Generators, and Commercial Spaces

PalmSHIELD’s acoustic screens are purpose-built to reduce industrial and mechanical noise, delivering both performance and aesthetics. Designed for commercial rooftops, generators, HVAC systems, and mechanical yards, our noise-reduction solutions meet municipal codes and exceed expectations.



ASTM C423 STANDARDS

Minimal parts and a streamlined installation process.



POST FIRST INSTALLATION

A variety of designs to match your building’s exterior.



DUAL SIDED FINISH

Withstands wind speeds of up to 150 mph.



ADAPTIVE ALIGNMENT

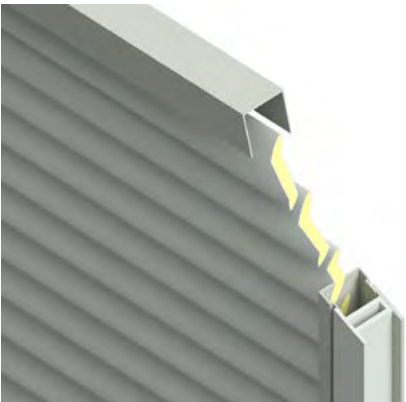
Utilizes industry-standard panel sizes to keep costs low.

Discover the innovative features that make our Forte rooftop screening solutions the perfect combination of durability, functionality, and style.

STC RATING **41**

DEFICIENCY **32**

OITC RATING **33**



ACOUSTIC SCREENS

All color options can be seen starting on page 108.

SILERE PRODUCT LINE

Deliver superior sound attenuation for commercial HVAC systems, industrial equipment, and outdoor mechanical installations. Engineered for performance, built to last.



Foam Fill Infill
FAUX BRICK



Foam Fill Infill
FAUX CONCRETE



Foam Fill Infill
FAUX STONE



Foam Fill Infill
AIR FOILS



Foam Fill Infill
SOLID



Foam Fill Infill
**SEMI-SOLID
AIR FOILS**



ACOUSTIC SCREEN SPECS

WIDTHS & HEIGHTS

Height: Unlimited
Width: 6' Maximum

PANEL COLUMN & FRAMEWORK

Column: **PalmSHIELD** exclusive 4" deep x 3" wide custom I-Beam with loose flange. Patent Pending.

Plate: 10" x 10" x 3/4" plate

Panel Vertical: **PalmSHIELD** exclusive 4" wide x 2" deep x 1/8" tapered compression profile. Patent Pending.

Panel Top Cap: 4" x 3" x 1/8" aluminum channel.

Panel Bottom Cap: 4" x 3" x 1/8" aluminum channel. Intermediate 1" x 1/8" bar

Materials: Panel Back Cover: 1/8" sheet

Panel Front Cover: 1/8" sheet

Panel Acoustic Fill: Long Strand Fiberglass Insulation or Mineral Wool. 4 lbs. Per Cubic Foot

Intermediate: 1" x 1/8" bar

Materials: 6063-T6 Aluminum

Fittings & Accessories: All fittings and accessories shall be stainless steel as specified by the manufacturer.



531-325-8080 EXT 2

DUMPSTER
ENCLOSURE
PRODUCT LINE



PalmSHIELD
DUMPSTER ENCLOSURE

PalmSHIELD dumpster enclosures combine rugged, code-compliant construction with customizable finishes and styles that integrate seamlessly into any site. Perfect for architects, developers, and facility managers, they deliver lasting performance without sacrificing design.



ARCHITECTURAL
INTEGRATION

PalmSHIELD enclosures are designed as true architectural structures—not just fencing.



LOUVERED &
SOLID PANEL
OPTIONS

Choose from louvered systems for maximum airflow or solid panels for complete concealment.



ENGINEERED
STRUCTURAL
FRAMING

Engineered to stand independently and withstand wind loads, snow loads, and site-specific conditions



CUSTOM
FINISHES &
CONFIGURATIONS

Custom powder coatings, panel orientations, and layout configurations tailored to your site's design goals.



CODE COMPLIANT
SCREENING

Designed to satisfy municipal code requirements for dumpster and mechanical equipment screening.



LOW
MAINTENANCE,
HIGH DURABILITY

PalmSHIELD enclosures require minimal upkeep, even in demanding environments.



TAILORED SOLUTIONS

All color options can be seen starting on page 108.

DUMPSTER ENCLOSURE PRODUCT LINE

Rugged structural integrity with architectural-grade aesthetics.



Enclosure

ALUMINUM LOUVERED



Enclosure

ALUMINUM SOLID



Enclosure

COMPOSITE SOLID



DUMPSTER SPECIFICATIONS

WIDTHS & HEIGHTS

Height: Unlimited

Width: 6' Maximum

PANEL COLUMN & FRAMEWORK

Column: PalmS HIELD exclusive 4" deep x 3" wide custom I-Beam with loose flange. Patent Pending.

Plate: 10" x 10" x 3/4" plate

Panel

Vertical: PalmSHIELD exclusive 4" wide x 2" deep x 1/8" tapered compression profile. Patent Pending.

Vertical: PalmSHIELD exclusive 4" wide x 2" deep x 1/8" tapered compression profile. Patent Pending.

Panel

Top Cap: 4" x 3" x 1/8" aluminum channel.

Panel

Bottom Cap: 4" x 3" x 1/8" aluminum channel.

Intermediate: 1" x 1/8" bar

Materials: 6063-T6 Aluminum

Fittings &

Accessories: All fittings and accessories shall be stainless steel as specified by the manufacturer.



Enclosure

VINYL SOLID



Enclosure

ARTEMIS



Covered

SINGLE BAY



Covered

DOUBLE BAY



Covered

TRIPLE BAY



GATES

PRODUCT LINE



PalmSHIELD ARCHITECTURAL GATES

Elevate your security without compromising on aesthetics. **PalmSHIELD’s** architectural gates blend premium security features with modern architectural style to create a visually striking barrier for commercial and industrial applications. Custom engineered by trained professionals, each gate is designed to meet the exact specifications of your installation site – built to withstand cantilevered load and wind load effects without sagging or failure.



CANTILEVER SLIDE GATE DESIGNS

Available with single or double upper tracks



FULLY WELDED TUBULAR FRAMEWORK

For maximum durability



CABLE TRUSS SUPPORT SYSTEM

To prevent sagging



PADLOCKABLE DROP PINS

For enhanced security



WIND LOAD ENGINEERING

Optimal performance in all environments



GORILLA HINGES WITH STAINLESS STEEL BARRELS

For smooth, long-lasting operation



ARCHITECTURAL GATES

All color options can be seen starting on page 108.

GATES PRODUCT LINE

All gates come in both single and double swing gate designs. All infill designs from the our Elite Ground Screen Series are available for these gates. Some of those styles are shown below.



Louvered Infill
SWING GATE



Diagonal Infill
SWING GATE



Vertical Infill
SWING GATE



Semi-Private Infill
ALUMINUM
SWING GATE



Semi-Private Infill
COMPOSITE
SWING GATE



Semi-Private Infill
VINYL
SWING GATE



SLIDE GATE SPECIFICATIONS

WIDTHS & HEIGHTS

Height:	Unlimited
Width:	Unlimited
Column:	ASTM A500 Square Steel Post Sized with PalmSHIELD Elite Column Sleeve - Patent Pending.
Plate:	ASTM A36 10" x 10" x 3/4" Steel Plate
Gate Panel:	2" x 2" x 3/16" T6063 Aluminum
Gate Panel Diagonal:	2" x 2" x 3/16" T6063 Aluminum
Gate Panel Horizontal:	2" x 2" x 3/16" T6063 Aluminum
Gate Panel Track:	Custom Extrusion Internal Gate Track With Integrated Top Support 5" x 3 3/4"

SWING GATE SPECIFICATIONS

WIDTHS & HEIGHTS

Height:	Unlimited
Width:	6' Maximum
Column:	ASTM A500 Square Steel Post Sized with PalmSHIELD Elite Column Sleeve - Patent Pending.
Column Plate:	ASTM A36 10" x 10" x 3/4" Steel Plate
Gate Panel Vertical:	PalmSHIELD Elite 4" x 2" tapered vertical compression member - Patent Pending and 4" x 3" x 1/8" channel
Gate Panel Top Cap:	T 6063 4" x 3" x 1/8" channel
Gate Panel Bottom Cap:	T 6063 4" x 3" x 1/8" channel
Intermediate:	T 6063 1" x 1/8" bar

ALL GATES STYLES
COME IN DOUBLE
SWING AS WELL



Alternating Infill
ALUMINUM
SWING GATE



Alternating Infill
VINYL
SWING GATE



ARCHITECTURAL GATES

All color options can be seen starting on page 108.

GATES PRODUCT LINE

All gates come in both single and double swing gate designs. All infill designs from the our Elite Ground Screen Series are available for these gates. Some of those styles are shown below.

ALL GATES STYLES
COME IN DOUBLE
SWING AS WELL



GATES



Solid Infill
**ALUMINUM
SWING GATE**



Solid Infill
**VINYL
SWING GATE**



Open Infill
**WIRE MESH
SWING GATE**



Laser Cut Infill
**ARTISTIC
SWING GATE**



Staggered Infill
**ALUMINUM
SWING GATE**



Staggered Infill
**COMPOSITE
SWING GATE**



Laser Cut Infill
**SYMBOL
SWING GATE**



Laser Cut Infill
**OPAQUE
SWING GATE**



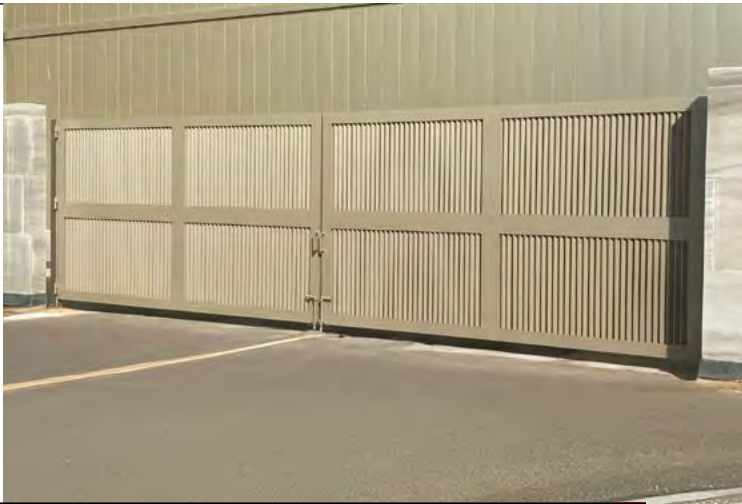
Staggered Infill
**VINYL
SWING GATE**



Open Infill
**PERFORATED
SWING GATE**



Laser Cut Infill
**INTERLACED
FLAT BAR
SWING GATE**



ARCHITECTURAL GATES

All color options can be seen starting on page 108.

GATES PRODUCT LINE

All infill designs from the our Elite Ground Screen Series are available for these gates.

Louvered Infill

SLIDE GATE



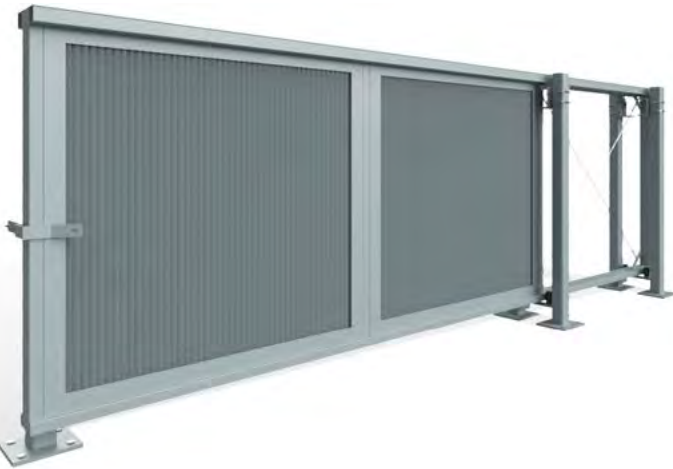
Diagonal Infill

SLIDE GATE



Vertical Infill

SLIDE GATE



GATE HARDWARE

WIDTHS & HEIGHTS

- Hinges:** Gorilla 3000 Sealed Bearing Hinge
- Lock:** Locinox Forty Internal Rekeyable Stainless Steel Lock
- Drop Rods:** 1" Schedule Forty Dual Position Lockable Rod
- Other:** Panic Hardware, Position Switches, Etc. upon request



GATES

Semi-Private Infill

VINYL SLIDE GATE



Semi-Private Infill

ALUMINUM SLIDE GATE



Request Your Custom Gate Design Today

No two installations are alike – and neither are PalmSHIELD gates. From decorative swing gates to high-security cantilever slide gates, our design team creates custom solutions that blend seamlessly with your architectural vision.

ARCHITECTURAL GATES

All color options can be seen starting on page 108.

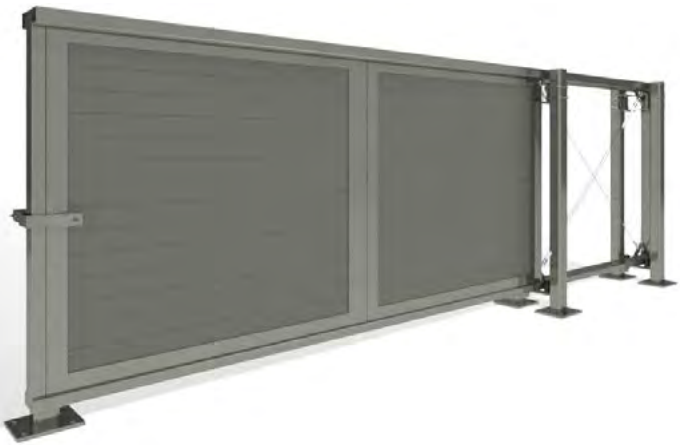
GATES

PRODUCT LINE



Semi-Private Infill

COMPOSITE SLIDE GATE



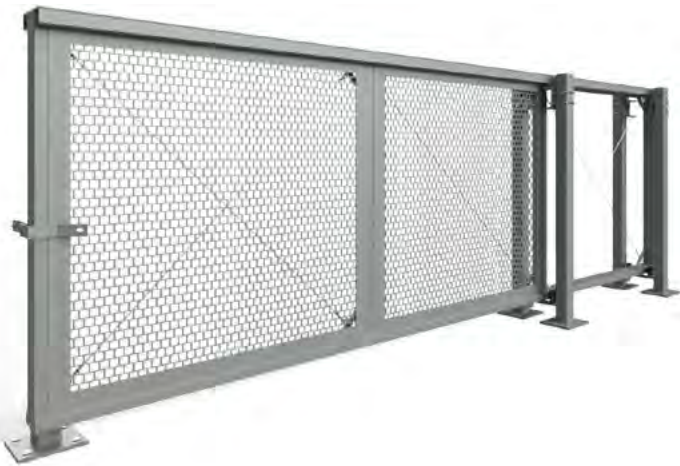
Solid Infill

VINYL SLIDE GATE



Solid Infill

ALUMINUM SLIDE GATE



Open Infill

PERFORATED SLIDE GATE



Solid Infill

COMPOSITE SLIDE GATE



Open Infill

WIRE MESH SLIDE GATE



VULCAN

PRODUCT LINE

PalmSHIELD PEDESTRIAN GATES

PalmSHIELD Vulcan full-height pedestrian swing gates are the ultimate solution for secure access in high-traffic environments. Designed to withstand constant use while maintaining a sleek appearance, Vulcan gates provide the perfect balance of durability, security, and visual appeal. Ideal for both commercial and industrial applications, these gates ensure controlled access without compromising aesthetics.

Secure, Customizable Pedestrian Gate Solutions

With a range of customizable features and a variety of infill options, **PalmSHIELD** gates provide the ultimate security without compromising on style.

Protecting Educational Campuses, Industrial Sites, Stadiums & More

Every site has unique security needs, so Vulcan pedestrian swing gates are fully customizable. From schools and stadiums to apartments and manufacturing plants, they're tailored to balance security and aesthetics.



WIDE ARRAY OF INFILL DESIGNS & MATERIALS

Choose from a variety of designs including louvered, privacy, semi-privacy, picketed, and welded wire mesh.



COMPLETE, PRE-ASSEMBLED GATE

Ships fully assembled with all hardware and access control devices pre-installed, saving time and ensuring ease of installation.



CUSTOMIZABLE TO YOUR SITE

Vulcan gates can be customized in terms of size, height, and style to fit perfectly into your environment.



COMPREHENSIVE ACCESS CONTROL OPTIONS

Includes features such as panic bars, automatic closures, electric strikes, keyless entry, and position switches for enhanced security and convenience.



SEAMLESSLY INTEGRATED WITH PALMSHIELD SCREENING

Vulcan gates can be incorporated into any of PalmSHIELD's architectural louvered screen fencing, offering a cohesive and secure perimeter solution.



MEETS IBC BUILDING CODES

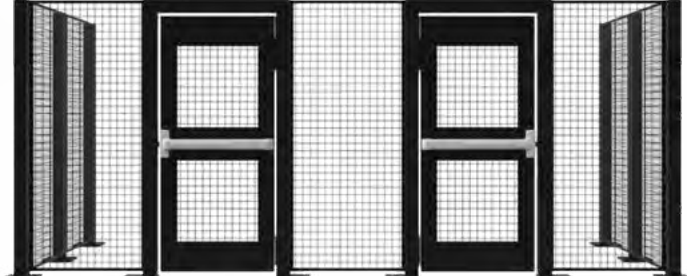
Vulcan pedestrian swing gates are designed to meet the International Building Code (IBC), ensuring compliance with safety and structural standards for commercial and industrial applications.

PEDESTRIAN GATES

VULCAN

PRODUCT LINE

PalmSHIELD Vulcan full-height pedestrian swing gates are the ultimate solution for secure access in high-traffic environments.



Pedestrian Infill

WIRE MESH



CLICK HERE FOR MORE SPECS

PEDESTRIAN GATE & SURROUND SPECIFICATIONS

WIDTHS & HEIGHTS

Height: Unlimited

Width: 6' Maximum

PANEL COLUMN & FRAMEWORK

Column: ASTM A500 Square Steel Post Sized with **PalmSHIELD** Elite Column Sleeve - Patent Pending.

Column Plate: ASTM A36 10" x 10" x 3/4" Steel Plate

Gate

Panel Vertical: **PalmSHIELD** Elite 4" x 2" tapered vertical compression member - Patent Pending and 4" x 3" x 1/8" channel

Gate Panel

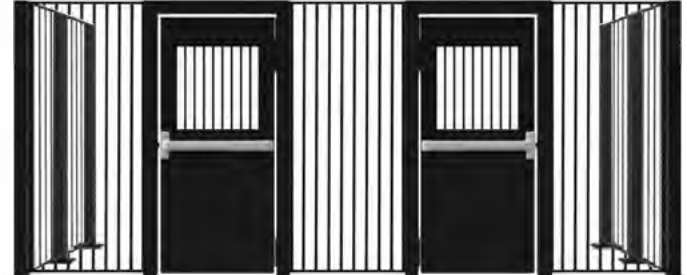
Top Cap: T 6063 4" x 3" x 1/8" channel

Gate Panel

Bottom Cap: T 6063 4" x 3" x 1/8" channel

Intermediate: T 6063 1" x 1/8" bar



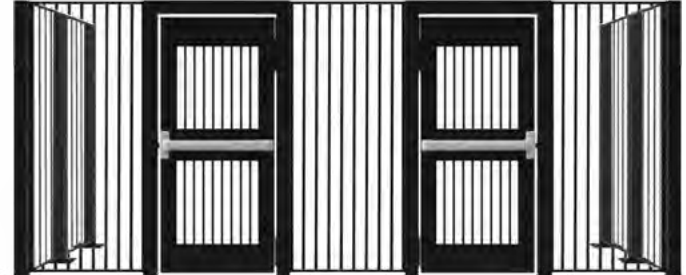


Pedestrian Infill

PICKET SOLID



CLICK HERE FOR MORE SPECS



Pedestrian Infill

ORNAMENTAL



CLICK HERE FOR MORE SPECS

PEDESTRIAN GATES

VULCAN PRODUCT LINE



Pedestrian Infill

BAR GRATING



www.Palmshieldlouvers.com

GATE HARDWARE



GORILLA HINGE 3000

PalmSHIELD has designed its own line of industrial hinges strong and flexible enough to pair with any gate.



DROP ROD

PalmSHIELD can fit any gate with the perfect sized drop rod to secure it in place.



LOCINOX LATCH

PalmSHIELD incorporates the Locinox FortyLock mortise lock into all of our gates with lockable drop rods.



SHIMS

PalmSHIELD offers shims in two styles to be installed individually or in combination.



BOTTOM ROLLER SLIDE GATE

PalmSHIELD provides bottom rollers for cantilevered gates to ensure weight support and a smooth sliding system.



TOP ROLLER SLIDE GATE

PalmSHIELD guarantees an easy & smooth sliding gate. When paired with bottom rollers, these top roller gate components get the job done!



TRUCK MOUNTING BRACKET

Secures gate rollers with a compact, clean design. Precision-cast bracket and sturdy U-bolt provide a tight, vibration-resistant fit for round or square posts.



PANIC BARS

PalmSHIELD utilizes DAC Industries, Inc. for their wide selection of panic bar options. You can find one that's perfect for your project with their reliable and versatile product lines.



LOCINOX VENUS

The Venus is a plug-and-play motorized gate closer for pedestrian swing gates.

ACCESS

PRODUCT LINE

PalmSHIELD ACCESS CONTROL

Selecting the Right Access Control System

Choosing the right access control for a slide gate can be challenging. Gate length, type, and weight determine the operator, while designers must also select the supporting devices, safety equipment, and plan a layout that ensures all components work seamlessly with the gate and opening.

Simplified Automation Solutions

PalmSHIELD partners with American Access Company to provide simplified, comprehensive drawings and specifications for slide gates and automated access control. AAC, a leading Midwest provider, installs over 500 systems annually and employs 14+ AFA-certified technicians.



TURNKEY ACCESS CONTROL

Complete, ready-to-install systems – including gates, gate operators, and access control components.



SEAMLESS INTEGRATION WITH SLIDE GATES

Engineered for compatibility with chain link or ornamental cantilever gates.



CUSTOMIZABLE SYSTEM PACKAGES

Single or double track gate options to fit any opening size or application.



COMPREHENSIVE CAD DRAWINGS & SPECIFICATIONS

Pre-engineered drawings to ensure seamless installation and code compliance.



CERTIFIED INSTALLATION INSTRUCTIONS

Step-by-step guidance for gate operators, access controls, and all wiring diagrams.



OPERATOR AND ELECTRICAL PRE-WIRE LAYOUTS

Eliminates guesswork – every system is pre-mapped for streamlined installation.

ACCESS GATES

ACCESS PRODUCT LINE

Protect your property with durable, secure, and streamlined gate and access control systems.

Louvered Infill

CHAIN LINK CANTILEVER SINGLE TRACK



Diagonal Infill

CHAIN LINK CANTILEVER DOUBLE TRACK



Vertical Infill

ORNAMENTAL FLAT TOP SINGLE TRACK



INDUSTRIAL GATE SPECIFICATIONS

WIDTHS & HEIGHTS

Height: Unlimited
Width: Unlimited

PANEL COLUMN & FRAMEWORK

Column: ASTM A500 Square Steel Post Sized with **PalmSHIELD** Elite Column Sleeve - Patent Pending.

Column Plate: ASTM A36 10" x 10" x 3/4" Steel Plate

Gate Panel: 2" x 2" x 3/16" T6063 Aluminum

Gate Panel Diagonal: 2" x 2" x 3/16" T6063 Aluminum

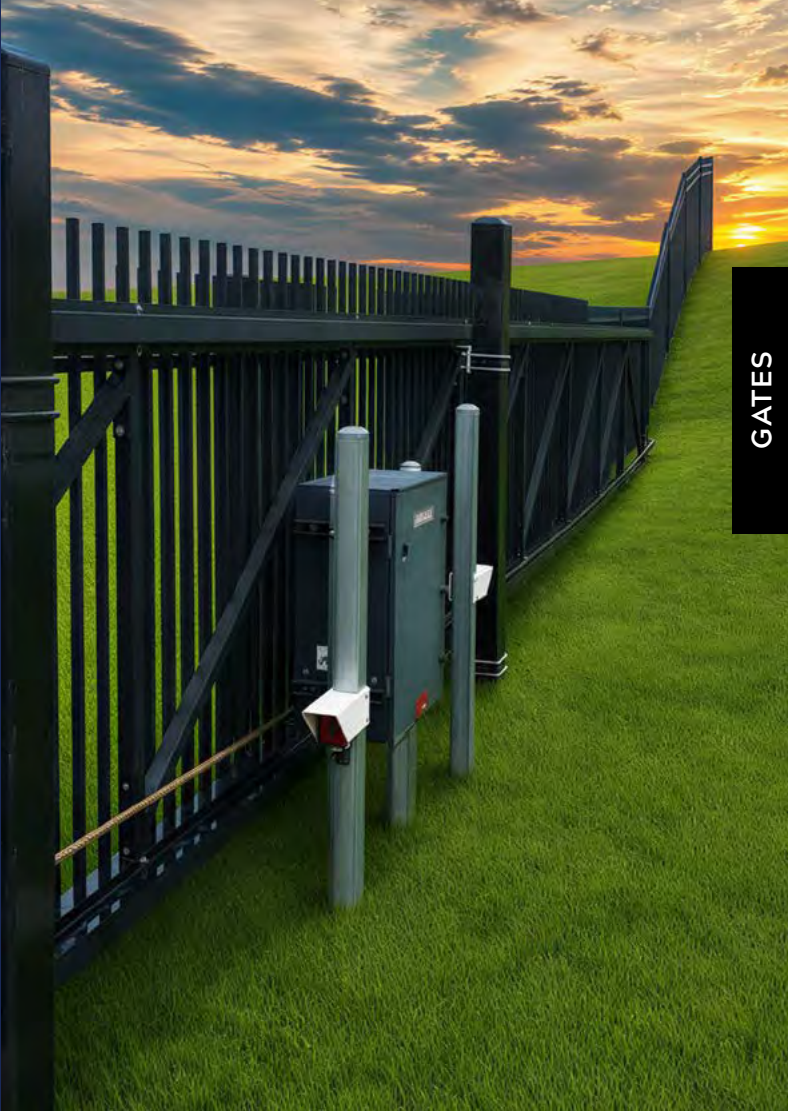
Gate Panel Horizontal: 2" x 2" x 3/16" T6063 Aluminum

Gate Panel: Track: Custom Extrusion Internal Gate Track With Integrated Top Support 5" x 3 3/4"



Louvered Infill

ORNAMENTAL FLAT TOP SINGLE TRACK



Diagonal Infill

GATE ACCESSORIES



RAILINGS

PRODUCT LINE

PalmSHIELD HIGH CLASS RAILINGS

PalmSHIELD cable systems are designed to be accompanied with code compliant stair grab rails. All of our sections are custom fabricated. PalmSHIELD uses a rigid, thin cable stabilizer bar in the panels to support the long cable runs. At changes in slope, a stabilizer bar will support the cables without the use of additional posts. Fewer posts leaves more to be desired as you look beyond the cable rail system.



ARCHITECTURAL EXCELLENCE WITH MODERN DESIGNS

Unique designs like single-cable routing, field-adjustable hinges, and traditional post-and-rail ensure a solution for every project.



ENGINEERED FOR STRENGTH & COMPLIANCE

Pre-installed cables, bottom rail support, and optimized post spacing prevent system failure.



EFFORTLESS INSTALLATION & MAINTENANCE

Minimizes installation time with a flawless, factory-assembled system & eliminates concerns over cable tensioning, post failures, and long-term stability.



VERSATILE INFILL OPTIONS & CUSTOM FABRICATION

Choose from modern cable rail or heavy-duty aluminum/steel bar grating for added depth and strength.

HIGH CLASS RAILINGS

RAILINGS PRODUCT LINE

PalmSHIELD cable systems are designed to be accompanied with code compliant stair grab rails. All of our sections are custom fabricated.

Aluminum

ATTILA

Material: Aluminum framework. Stainless steel cable and hardware.

Cable

Thickness: 1/8" to 3/16"

Height: Typical 36" - 42"

Width: Individual panels may be 20' in length.



Galvanized steel

ELLAC

Material: Galvanized steel posts and rails. Stainless steel cable and hardware.

Cable

Thickness: 1/8" to 3/16"

Height: Typical 36" - 42"

Width: Posts o.c. 10' with middle support.



Aluminum

RUGA

Material: Aluminum framework 2" square posts and rails. Stainless steel cable and hardware.

Cable

Thickness: 1/8" to 3/16"

Height: Typical 36" - 42"

Width: Sections shop fabricated in largest possible.



Stainless

MACHIAVELLI

Material: Aluminum framework 2" square posts and rails. Stainless steel cable and hardware.

Cable

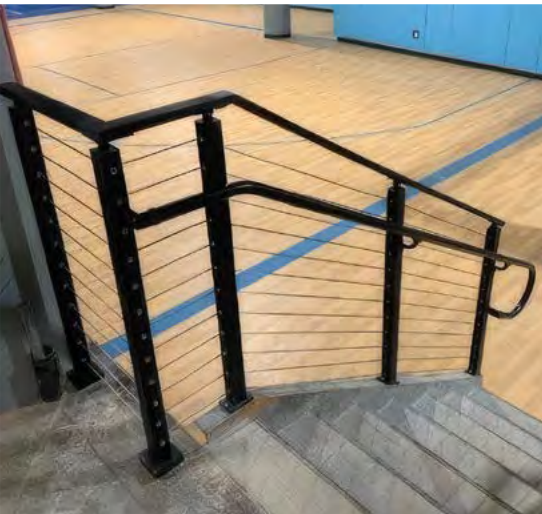
Thickness: 1/8" to 3/16"

Height: Typical 36" - 42"

Width: Sections shop fabricated in largest possible.



RAILINGS



RAILING PROJECT PHOTOS

PALMSHADE

PRODUCT LINE



PalmSHADE SUN SHADES

Simplified Automation Solutions

PalmSHADE leads in custom sun shade structures, designed to fit your site and expertly fabricated for lasting performance. PalmSHADE has everything from pergolas to pavilions— which are ideal for hotels, parks, public gardens, resorts, and multi-family residences. Beyond UV protection, they enhance your space with elegance and can even boost property value— fully customizable and seamlessly installed to your needs.



COMPLETELY CUSTOMIZABLE

Most projects require more than standard solutions, and that’s where we excel. Our team specializes in custom, project-specific designs, working closely with architects and designers to bring unique visions to life. Let PalmSHADE transform your ideas into tailored designs that elevate your project.



INNOVATIVE DESIGNS

Our sun shades encompass shelters, pool cabanas, kiosks, bus stop shades, steel pavilions, gazebos, pergolas, and more. With 25 years of collaboration with architects and engineers, we offer a diverse range of innovative shade solutions. Explore our extensive selection to find the perfect design for any setting.



CUSTOM TAILORING

Make our design your exclusive design tailored to your project. We transform standard sun shade structures and screening into one-of-a-kind works of art that complement your site as a cornerstone of your design. From ordinary to extraordinary, we’re committed to making your vision reality.



DESIGN TO FABRICATION

Our engineering team transforms your napkin sketch into detailed 3D renderings, allowing customers to visualize the aesthetic impact on their project. Experiment with sizes, shapes, colors, and configurations before finalizing your design for fabrication. See your vision come to life before construction begins.

ARCHITECTURAL SHADES

All color options can be seen starting on page 108.

SUN SHADE
PRODUCT LINE
Discover custom-made, premium shade
structures built to withstand the elements while
enhancing your outdoor aesthetic.



SunShade

ARUNA



SunShade

ATEN



SunShade

INTI



SunShade

MARICI



SunShade

MITHRA



SunShade

RAVI



SunShade

SAVITUR



ARCHITECTURAL SHADES

All color options can be seen starting on page 108.

SUN SHADE PRODUCT LINE



SunShade

SOL



SunShade

SURYA



SunShade

HORUS



PALMSHADES

CANOPY

PRODUCT LINE



PalmSHADE RETRACTABLE CANOPIES

Comfort style and durability

Looking to take your sun shade to the next level? Browse PalmSHADE’s canopy options. From retractable canopies, retractable side screens, tensions sails, and more, we’ve got you covered!

Crafted comfort for curated outdoor experiences

The first and only slide-on-wire canopy system that is ready to install out of the box, and because of its unique modular design it can fit any space and be easily modified to meet your design and shade needs.



CUSTOM COLORS

Design your canopy with single or multi-color options for a custom look.



PANEL OPTIONS

Choose uniform or varied panel widths to match your style or space needs.



TENSION CONTROL

Adjust panel tension for a sleek, flat look or a soft, billowed effect.



PANEL FLEXIBILITY

Lock panels in place for consistent shade, or remove them for an open-air feel.



PRIVACY & SHADE

Add vertical end panels for enhanced privacy and extended shade.



FULL CONTROL

Open or close your canopy from either end—full control at your fingertips.



INDOOR STYLING

Install indoors to conceal exposed ceilings, rafters, or ductwork with style.



EXPAND FUNCTIONALITY

Expand functionality with accessories and upgrades (coming soon).

RETRACTABLE CANOPIES



CANOPY

PRODUCT LINE

The first and only slide-on-wire canopy system that is ready to install out of the box

Canopy



STOCK

5’ wide Sections in any length
18 fabrics and colors
One or Multi-color

Available Colors

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canoopies/>



Canopy



CUSTOM

5’ wide Sections in any length
18 fabrics and colors
One or Multi-color

Available Colors

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canoopies/>



Canopy



RETRACTABLE

Size: Widths from 4’ to 15’ and Drops from 3" to 15" in half inch increments.

Operation: Manual Gear or Motorized. Motorized operation recommended for ease of use.

Allows remote operation from up to 65 feet away.

Protective Hood: Optional powder coated aluminum hood protects fabric and motor while providing a finished look.

WARRANTY: Frame, Fabric and Motor 5-years

Ships within 2-4 weeks · Made in USA

Available Colors

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canoopies/>



Tension



TENSION SAIL

Exceptional dimensional stability
Long-term strength
Greater coating thickness at the top of the yarn
Perfect flatness

Available Colors

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canoopies/>



Laced

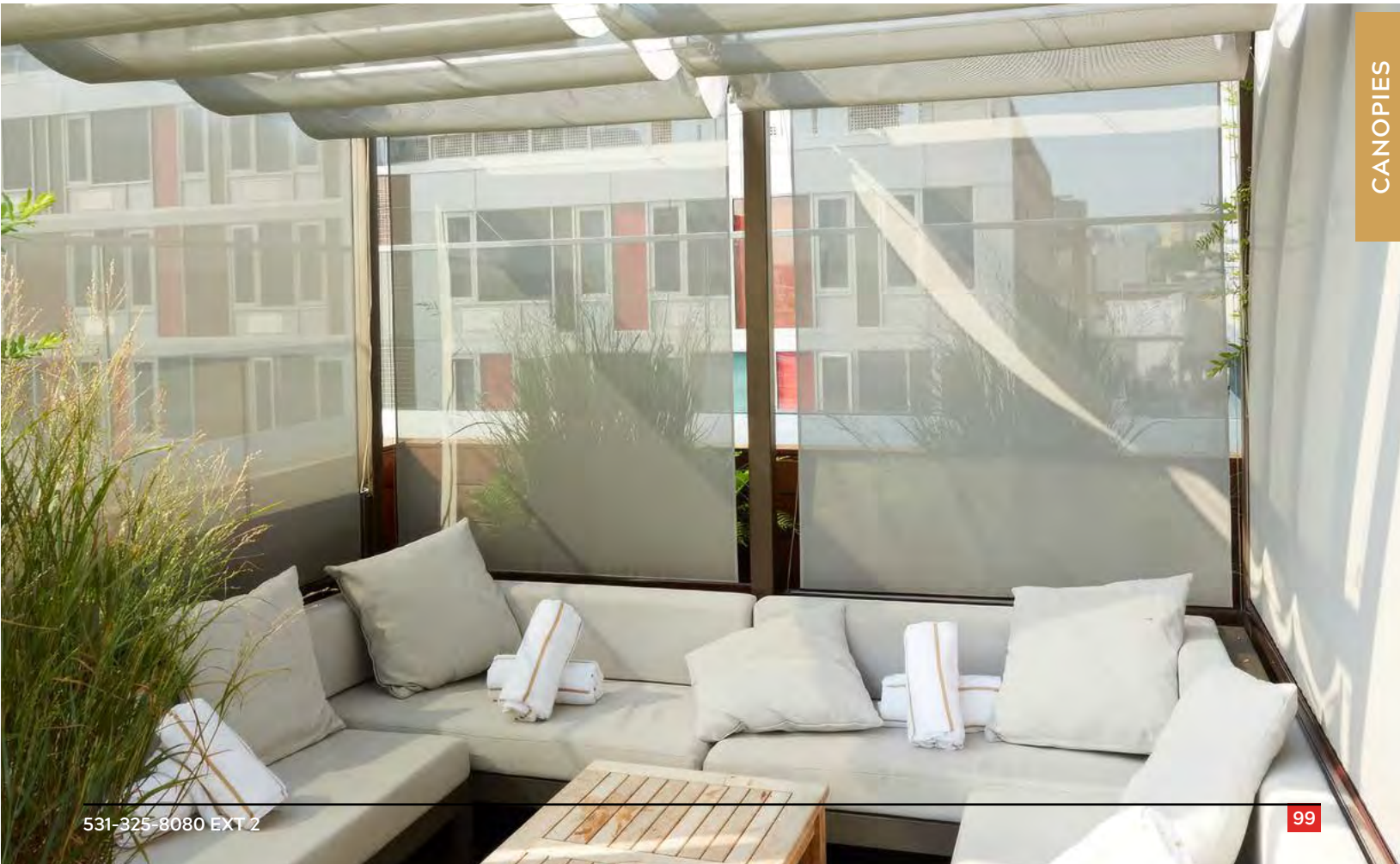


LACED ON

Flexibility and easy-to-fit
100% effective year round pertection
Heat reflection to maintain a comfortable environment

Available Colors

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canoopies/>



CANOPIES

RETRACTABLE CANOPIES

CANOPY PRODUCT LINE



STOCK CANOPY FABRICS & COLORS

Premium Canvas

- Blocks 100% of sun rays.
- Non-Transparent
- Fire Rating: None
- Resistant to mold and fading
- Can protect against rain
- 100% Solution Died Acrylic

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canopies/>



Natural



Linen



Sunflower



Forest Green



Capri



Marine Blue



Charcoal Grey



Black

Premium Mesh

- Blocks 100% of sun rays.
- Blocks 92.5% of UV rays
- Semi-Transparent
(Openness Factor 7.5%)
- Fire Rating: Class A
- Resistant to mold and fading
- Not intended to protect against rain
- 100% vinyl coated polyester

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canopies/>



White



Stucco



Lemon Yellow



Garden Green



Dupinoni
Poolside



Dupioni
Sapphire



Metallica
Platinum



Metallica
Smoke

Standard Mesh

- Blocks 65% of UV Rays
- Translucent
(Openness Factor 35%)
- Flame Retardant: Class A
- Resistant to fire, mold, and fading.
- Not intended to protect against rain.
- 100% vinyl coated polyester

For more color & fabric options, see website at:
<https://palmshieldlouvers.com/retractable-canopies/>



White



Grey Sand



Almond



Grey



Christmas Red



Orange



Lemon Yellow



Spruce Green



CUSTOM CANOPY FABRICS & COLORS

Premium Mesh

- Blocks 92.5% of UV rays Semi Transparent
- Fire Rating: Class A-NFPA 701
- Resistant to mold and fading
- Not intended to protect against rain
- 100% vinyl coated polyester

VINYL MESH & WATERPROOF

- Blocks 86-100% of UV rays.
- Non to Semi Transparent
- Fire Rating: NFPA-701
- Resistant to mold and fading
- 502 & W-96 protect against rain
- 100% PVC

For more color & fabric options, see website at: <https://palmshieldlouvers.com/retractable-canopies/>

Solution Dyed Acrylic

- Blocks 100% of UV rays.
- Non Transparent
- Fire Rating: Varries
- Resistant to mold and fading
- Can protect against rain
- 100% Solution Died Acrylic

STANDARD MESH

- Blocks 65%-70% UV Rays
Semi Transparent
- Flame Retardant: Class A - NFPA 701
- Resistant to fire, mold, and fading.
- Not intended to protect against rain.
- 100% vinyl coated polyester



CANOPY FABRICS & COLORS

BOLLARDS

PRODUCT LINE

PalmSHIELD SECURITY BOLLARDS

Visual Boundaries, Physical Protection, and Traffic Control

PalmSHIELD’s security bollards provide heavy-duty protection and property definition for a wide range of commercial and municipal uses. From traffic management to high-impact crash protection, our steel and aluminum bollards are built to last.

Mark Perimeters, Deter Vehicles, and Enhance Curb Appeal

Explore the cutting-edge features of the PalmSHIELD Elite framework – crafted to deliver the ultimate blend of strength, versatility, and contemporary design for any screening application.



VARIETY OF SHAPES & SIZES

Available in multiple diameters and styles to provide the perfect balance of protection and aesthetics.



CUSTOMIZABLE TOP OPTIONS

Choose from a range of decorative top finishes to complement your architectural vision—no extra fasteners needed.



MULTIPLE INSTALLATION TYPES

Designed for flexibility, our bollards support embedded, surface-mounted, and removable installation methods.



DESIGNED TO MATCH ARCHITECTURAL SCREENING

Seamlessly integrate with PalmSHIELD screening systems for a uniform and polished appearance.



DURABLE & WEATHER-RESISTANT

Constructed from high-quality materials to withstand impact, corrosion, and extreme weather conditions.



VERSATILE APPLICATIONS

Ideal for pedestrian safety, traffic control, perimeter security, and decorative enhancements.

SECURITY BOLLARDS

BOLLARDS

PRODUCT LINE

PalmSHIELD Forte is the revolutionary rooftop screen design. Used to obscure and protect RTU equipment, it can be attached either to your rooftop or directly to the equipment itself.



Square Post Slope Top



Round Post Slope Top



Square Post Flat Top



Round Post Flat Top

Bollards

COLLAPSIBLE



Square Post Slope Top



Round Post Slope Top



Square Post Flat Top



Round Post Flat Top

Bollards

EMBEDDED

GENERAL BOLLARD SPECIFICATIONS

DIAMETERS & HEIGHTS

Diameters: 3", 4", 6", 8", 10", & 12"

Heights: 36", 42", & 48"

MATERIALS

Pipe: ASTM A53

Square Tube: ASTM A500

Plate: ASTM A36

Cap: ASTM A36

Fittings & Accessories: All fittings and accessories shall be stainless steel as specified by the manufacturer.

COLLAPSIBLE BOLLARDS

Our Collapsible bollards are available in two materials: Schedule 40 Steel and Steel Square. Choose between three different bollard heights: 36", 42", and 48". As well as different diameter widths: 3.5", 4.5", 6.625", 10.75", 12.75"

CRASH RATED BOLLARDS

The M50 Bollard is a high-security vehicle barrier designed to provide exceptional stopping power against unauthorized vehicle access. Rated to withstand impacts from heavy-duty vehicles traveling at high

speeds, the M50 Bollard is engineered to protect high-risk areas such as government buildings, data centers, and other critical infrastructure.

EMBEDDED BOLLARDS

Our Embedded bollards are available in two materials: Schedule 40 Steel and Steel Square. Choose between three different bollard heights: 36", 42", and 48" as well as different diameter widths: 3", 4", 6", 10", 12"

REMOVABLE BOLLARDS

Our Removable bollards are available in two materials: Schedule 40 Steel and Steel Square. Choose between three different bollard heights: 36", 42", and 48" as well as different diameter widths: 3", 4", 6", 10", 12"

SURFACE MOUNTED BOLLARDS

Our Surface Mounted bollards are available in two materials: Schedule 40 Steel and Steel Square. Choose between three different bollard heights: 36", 42", and 48" as well as different diameter widths: 3", 4", 6", 10", 12"



SECURITY BOLLARDS

BOLLARDS

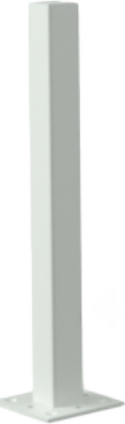
PRODUCT LINE



Square Post Slope Top



Round Post Slope Top



Square Post Flat Top



Round Post Flat Top

Bollards

REMOVEABLE



Square Post Slope Top



Round Post Slope Top



Square Post Flat Top



Round Post Flat Top

Bollards

SURFACE MOUNTED



Bollards

CRASH RATED



BOLLARDS

COLOR CHOICES

PalmSHIELD CHOOSING COLORS

The following pages showcase our full range of color options across every product line. Our Aluminum Powder Coat Colors deliver a durable, corrosion-resistant finish for residential and commercial fencing, with choices spanning classic black and bronze to custom architectural colors. We even offer custom color finishes as well. For projects calling for the warmth of natural materials without the upkeep, our Metal, Wood & Stone collection uses an advanced sublimation process to permanently infuse realistic wood grain, stone texture, and metallic finishes into the aluminum substrate—giving architects the aesthetic versatility they need while preserving aluminum’s structural performance and long-term durability.

Vinyl fencing and standard Powder Coat colors remain popular for residential installations, offering cost-effective, low-maintenance solutions for homeowners. Meanwhile, the sublimated Metal, Wood & Stone and Modern Contemporary lines give architects a broader design vocabulary for projects demanding a more custom or upscale material appearance—all detailed in the color selections that follow.

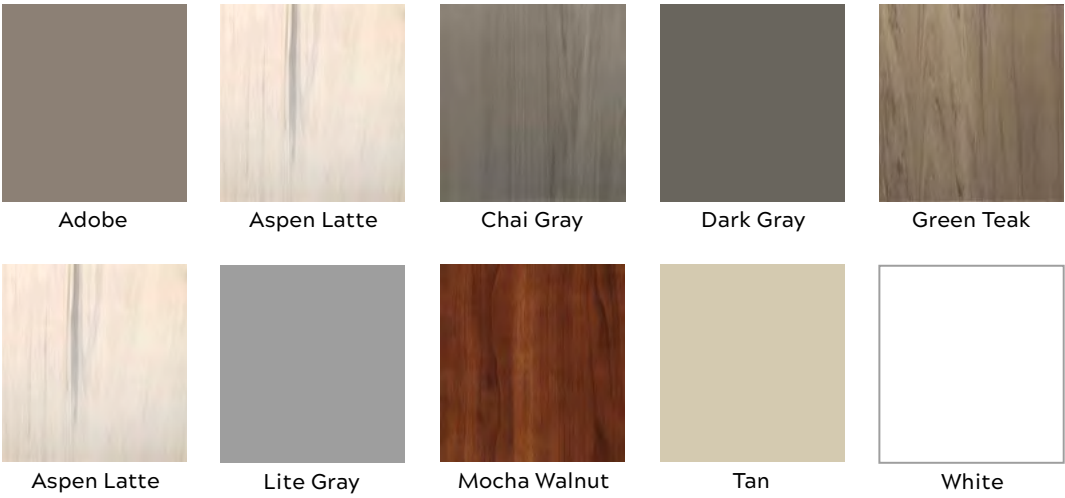
COMPOSITE COLOR CHART

Our Composite color palette brings the natural texture and grain of wood to vinyl fencing, without the maintenance that real wood demands. From the warm neutrality of Adobe to the deep, rich tones of Chestnut and Mocha Walnut, each color is designed to complement a wide range of architectural styles and exterior palettes. The cooler Dark Gray and Lite Gray options offer a more contemporary look, giving homeowners the flexibility to match fencing to the surrounding landscape, building materials, or overall design aesthetic.



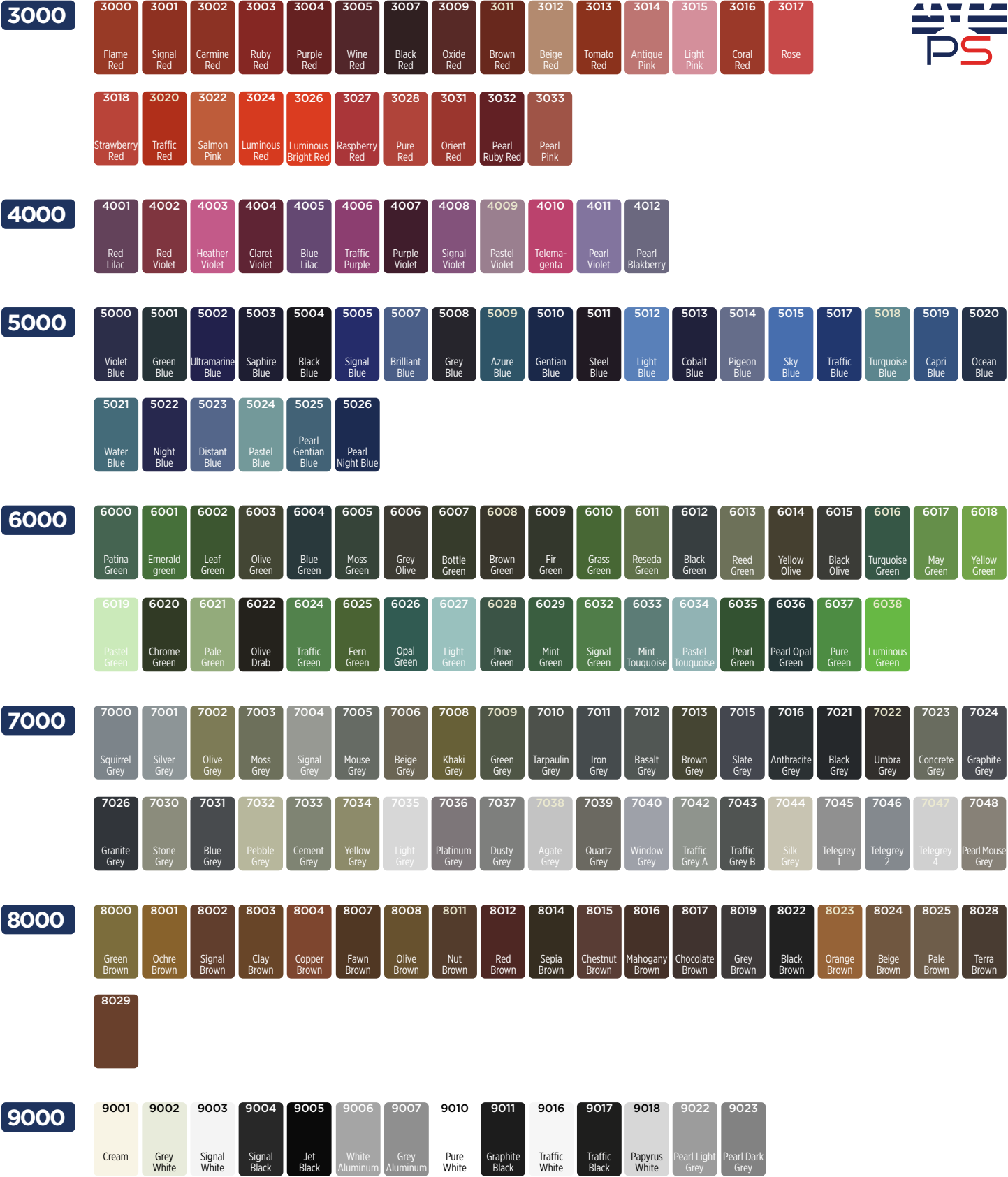
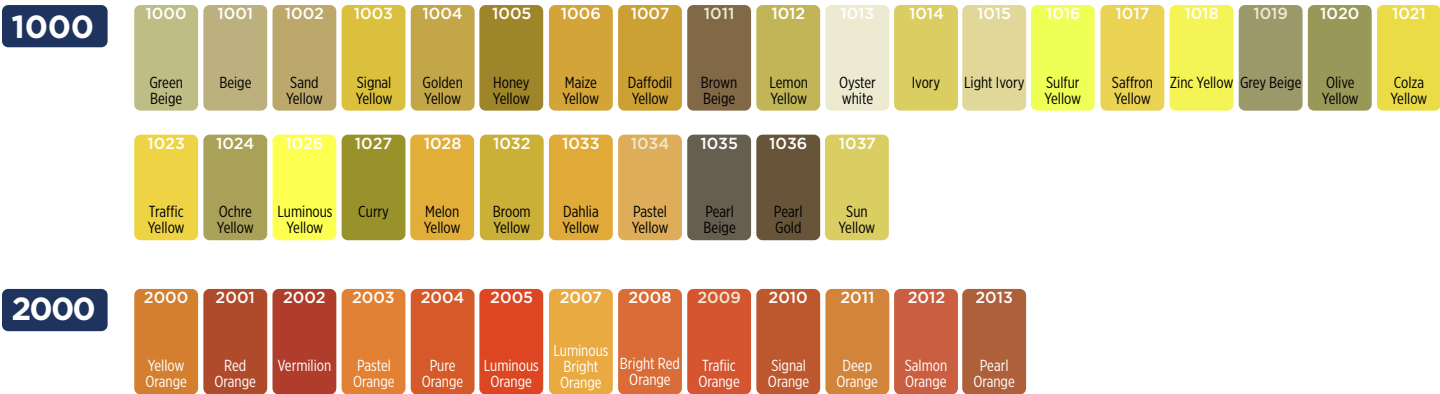
VINYL COLOR CHART

Our vinyl color palette offers a broad range of finishes, from realistic wood grain textures to clean, solid tones, giving homeowners the freedom to match any exterior style. Wood-inspired options like Aspen Latte, Green Teak, and Mocha Walnut bring warmth and natural character to a fence line, while Chai Gray and Dark Gray offer richer, more contemporary alternatives. For a more traditional or minimalist look, solid shades like Tan, Lite Gray, and classic White provide timeless versatility that complements virtually any home.



POWDER COAT COLOR CHART

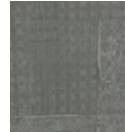
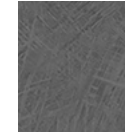
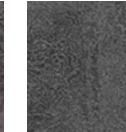
Our powdercoat finish is available in an extensive range of RAL colors, giving architects and homeowners near-limitless flexibility to match any exterior palette or design vision. From timeless neutrals like Jet Black, Signal White, and Grey Aluminum to bold accent options across the yellow, red, blue, and green families, this palette supports everything from traditional fence lines to distinctive architectural statements. Each color delivers the same durable, corrosion-resistant protection, ensuring long-term performance no matter which shade is specified.



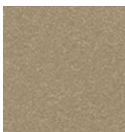
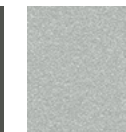
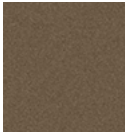
MODERN CONTEMPORARY COLOR CHART

Our vinyl color palette offers a broad range of finishes, from realistic wood grain textures to clean, solid tones, giving homeowners the freedom to match any exterior style. Wood-inspired options like Aspen Latte, Green Teak, and Mocha Walnut bring warmth and natural character to a fence line, while Chai Gray and Dark Gray offer richer, more contemporary alternatives. For a more traditional or minimalist look, solid shades like Tan, Lite Gray, and classic White provide timeless versatility that complements virtually any home.

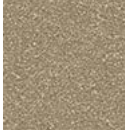
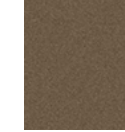
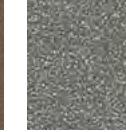
FOCUS

									
Brooklyn Aluminium	Brooklyn Antracite	Brooklyn Bronze	Brooklyn Classic	Brooklyn Luna	Brooklyn Steel	Chester Grey	Tribeca Gold	Tribeca Iron	Tribeca Zinc

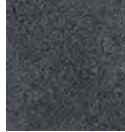
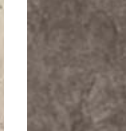
LUMENS

									
Athens White	China Gold	Iceland Grey	Italian Greige	London Grey	Metropolis Black	New York Grey	Oceania Blue	Olive Green	Paris Silver
									
Persian Copper	Roman Bronze	Siberian Platinum							

METALLICS

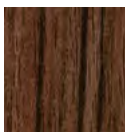
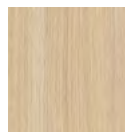
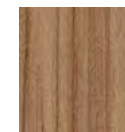
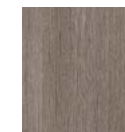
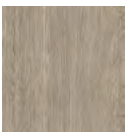
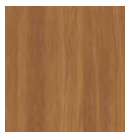
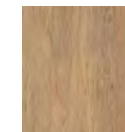
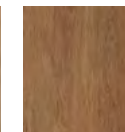
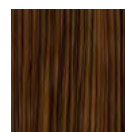
									
Aluminum Grey	Amber	Azurite Blue	Copper Red	Copper Yellow	Graphite Grey	Titanium Bronze	Titanium Silver	Urban Brown	Urban Grey

NATURALS

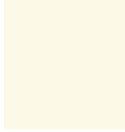
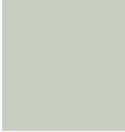
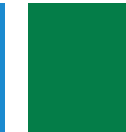
									
Belgium Bluestone	Bianco Travertine	Casted Grey	Forged Alloy	Hardened Brown	Indian Terra Cotta	Italian Slate	Lava Stone	Mineral Concrete	Natural Chalkstone
									
Natural Graphite	Natural Slate	Pearl Stone	Rusted Brown	Silver Quartzite	Sintered Alloy	Storm Concrete	Tempered Grey	Tivoli Travertine	Weathered Basalt



WOOD DECORS

									
Core Ash	Country Wood	Dark Mahogany	Denver Oak	Elegant Oak	English Cherry	French Walnut	Greyled Cedar		
									
Halmstad	Harmony Oak	Hesbania	Italian Walnut	Light Mahogany	Loft Brown	Milano Grigio	Milano Sabbia	Milano Terra	Montreux Amber
									
Montreux Sunglow	Natural Bagenda	Nordic Black	Pacific Board	Santos Palisander	Slate Wood	Tropical Ipe	Wenge	Western Red Cedar	Woodstone

UNI COLORS

									
Pure White	White	Papyrus White	Cream White	Pearl Yellow	Pale Yellow	Sand	Stone Beige	Mid Beige	Winter Grey
									
Pastel Grey	Silver Grey	Spring Green	Champagne	Sun Yellow	Salmon	Stone Grey	Bluish Grey	Translucent Green	Verdigris
									
Cactus Green	Mojito Green	Zinc Yellow	Ochre	Taupe	Natural Greige	Ocean Grey	Aquamarine	Mineral Blue	Mid Green
									
Lime Green	Gold Yellow	Terra Cotta	Rusty Red	Toscana Greige	Steel Blue	Lavendar Blue	Powder Blue	Royal Blue	Brilliant Green
									
Turf Green	Red Orange	English Red	Mahogany Red	Mid Grey	Slate Grey	Dark Denim	Brilliant Blue	Pacific	Passion Red

UNI COLORS (CONT.)

Carmine Red	Sienna Brown	Cyclam	Quartz Grey	Charcoal Grey	Cobalt Blue	Dark Green	Ceramic Greige	Motion Red	Wine Red
Deep Red Brown	Dark Brown	Zinc Grey	Steel Grey	Anthracite Grey	Dark Blue	Forest Green	Black	East Red	

FOCUS

Colour code	Colour name	Diffuse		Colour code	Colour name	Diffuse	
C08.03	Brooklyn Classic	■	■	With metallic effect			
C08.21	Brooklyn Luna	■	■	CM03.06	Tribeca Gold	■	■
C08.25	Brooklyn Antracite	■	■	CM03.16	Tribeca Iron	■	■
C01.21	Chester Grey	■	■	CM03.24	Tribeca Zinc	■	■
				CM09.03	Brooklyn Steel	■	■
				CM09.06	Brooklyn Bronze	■	■
				CM09.51	Brooklyn Aluminium	■	■

TRESPA® METEON® FOCUS PANELS FEATURE A DIRECTIONAL COLOURED SURFACE.

LUMEN

Colour code	Colour name	Diffuse		Oblique		Specular	
L0500	Athens White	■	■	■	■	■	■
L0651	Italian Greige	■	■	■	■	■	■
L1971	Iceland Grey	■	■	■	■	■	■
L2151	London Grey	■	■	■	■	■	■
L2264	Oceania Blue	■	■	■	■	■	■
L2581	New York Grey	■	■	■	■	■	■
L3673	Olive Green	■	■	■	■	■	■
L9000	Metropolis Black	■	■	■	■	■	■
With metallic effect							
LM0561	Roman Bronze	■	■	■	■	■	■
LM0641	China Gold	■	■	■	■	■	■
LM1055	Persian Copper	■	■	■	■	■	■
LM2181	Siberian Platinum	■	■	■	■	■	■
LM5101	Paris Silver	■	■	■	■	■	■

TRESPA® METEON® LUMEN DIFFUSE, LUMEN OBLIQUE AND ALL LUMEN WITH METALLIC EFFECT (PRODUCTS WITH LM CODE) FEATURE A DIRECTIONAL COLOURED SURFACE.
* WITH SATIN REVERSE.

METALLICS

Colour code	Colour name	Satin		Rock*	
M04.4.1	Titanium Silver	■	■	■	■
M05.5.1	Titanium Bronze	■	■	■	■
M05.6.1	Urban Brown	■	■	■	■
M06.4.1	Amber	■	■	■	■
M21.3.4	Azurite Blue	■	■	■	■
M21.8.1	Graphite Grey	■	■	■	■
M51.0.1	Aluminium Grey	■	■	■	■
M51.0.2	Urban Grey	■	■	■	■
M53.0.1	Copper Red	■	■	■	■
M53.0.2	Copper Yellow	■	■	■	■

TRESPA® METEON® METALLICS PANELS FEATURE A DIRECTIONAL COLOURED SURFACE. * WITH SATIN REVERSE.



UNI COLOURS

Colour code	Colour name	Satin		Rock*	
A03.0.0	White	■	■	■	■
A03.1.0	Pastel Grey	■	■	■	■
A03.4.0	Silver Grey	■	■	■	■
A04.0.0	Cream White	■	■	■	■
A04.0.1	Pearl Yellow	■	■	■	■
A04.0.2	Pale Yellow	■	■	■	■
A04.0.5	Zinc Yellow	■	■	■	■
A04.1.7	Gold Yellow	■	■	■	■
A05.0.0	Pure White	■	■	■	■
A05.1.0	Papyrus White	■	■	■	■
A05.1.1	Stone Beige	■	■	■	■
A05.1.2	Champagne	■	■	■	■
A05.1.4	Sun Yellow	■	■	■	■
A05.5.0	Quartz Grey	■	■	■	■
A06.3.5	Ochre	■	■	■	■
A06.5.1	Toscana Greige	■	■	■	■
A06.7.1	Natural Greige	■	■	■	■
A07.1.1	Sand	■	■	■	■
A08.2.1	Mid Beige	■	■	■	■
A08.2.3	Salmon	■	■	■	■
A08.3.1	Stone Grey	■	■	■	■
A08.4.5	Rusty Red	■	■	■	■
A08.8.1	Dark Brown	■	■	■	■
A09.6.4	Mahogany Red	■	■	■	■
A10.1.8	Red Orange	■	■	■	■
A10.3.4	Terra Cotta	■	■	■	■
A10.4.5	Sienna Brown	■	■	■	■
A10.6.1	Taupe	■	■	■	■
A11.4.4	English Red	■	■	■	■
A11.8.0	Ceramic Greige	■	■	■	■
A12.1.8	Passion Red	■	■	■	■
A12.2.5	Motion Red	■	■	■	■
A12.3.7	Carmine Red	■	■	■	■
A12.4.5	East Red	■	■	■	■
A12.6.3	Wine Red	■	■	■	■
A14.7.2	Deep Red Brown	■	■	■	■
A17.3.5	Cyclam	■	■	■	■
A19.7.1	Charcoal Grey	■	■	■	■
A20.5.2	Lavender Blue	■	■	■	■
A20.7.2	Dark Blue	■	■	■	■
A21.1.0	Winter Grey	■	■	■	■
A21.5.1	Mid Grey	■	■	■	■
A21.5.4	Cobalt Blue	■	■	■	■
A21.7.0	Steel Grey	■	■	■	■
A22.1.6	Royal Blue	■	■	■	■
A22.2.1	Bluish Grey	■	■	■	■
A22.2.4	Powder Blue	■	■	■	■
A22.3.1	Ocean Grey	■	■	■	■
A22.4.4	Brilliant Blue	■	■	■	■
A22.6.2	Dark Denim	■	■	■	■
A23.0.4	Mineral Blue	■	■	■	■
A24.4.1	Steel Blue	■	■	■	■
A25.8.1	Anthracite Grey	■	■	■	■
A26.5.4	Pacific	■	■	■	■
A28.2.1	Aquamarine	■	■	■	■
A28.6.2	Mid Green	■	■	■	■
A30.3.2	Verdigris	■	■	■	■
A31.4.1	Zinc Grey	■	■	■	■
A32.2.1	Translucent Green	■	■	■	■
A32.7.2	Dark Green	■	■	■	■
A33.3.6	Brilliant Green	■	■	■	■
A34.8.1	Forest Green	■	■	■	■
A35.4.0	Cactus Green	■	■	■	■
A36.3.5	Turf Green	■	■	■	■
A37.0.8	Lime Green	■	■	■	■
A37.2.3	Spring Green	■	■	■	■
A41.0.6	Mojito Green	■	■	■	■
A70.0.0	Slate Grey	■	■	■	■
A90.0.0	Black	■	■	■	■

* WITH SATIN REVERSE.

NATURALS

Colour code	Colour name	Matt		Matt-Rock*	
NA12	Natural Chalkstone	■	■	■	■
NA13	Silver Quartzite	■	■	■	■
NA14	Weathered Basalt	■	■	■	■
NA15	Indian Terra Cotta	■	■	■	■
NA16	Belgian Bluestone	■	■	■	■
NA17	Natural Graphite	■	■	■	■
NA18	Natural Slate	■	■	■	■
NA19	Italian Slate	■	■	■	■
With metallic effect					
NM01	Rusted Brown	■	■	■	■
NM02**	Forged Alloy	■	■	■	■
NM04**	Sintered Alloy	■	■	■	■
NM05**	Hardened Brown	■	■	■	■
NM06**	Tempered Grey	■	■	■	■
NM07**	Casted Grey	■	■	■	■
NM08**	Crafted White	■	■	■	■

TRESPA® METEON® NATURALS PANELS FEATURE A DIRECTIONAL COLOURED SURFACE.
* WITH SATIN REVERSE.
** DECORS HAVE GLOSS ELEMENTS IN THE SURFACE.

WOOD DECORS

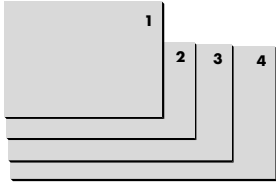
Colour code	Colour name	Satin		Matt	
NW02	Elegant Oak	■	■	■	■
NW03	Harmony Oak	■	■	■	■
NW04	Pacific Board	■	■	■	■
NW05	Loft Brown	■	■	■	■
NW06	Montreux Amber	■	■	■	■
NW07	Montreux Sunglow	■	■	■	■
NW08	Italian Walnut	■	■	■	■
NW09	Wenge	■	■	■	■
NW10	English Cherry	■	■	■	■
NW11	Santos Palisander	■	■	■	■
NW12	Natural Bagenda	■	■	■	■
NW13	Country Wood	■	■	■	■
NW14	French Walnut	■	■	■	■
NW15	Milano Sabbia	■	■	■	■
NW16	Milano Terra	■	■	■	■
NW17	Milano Grigio	■	■	■	■
NW18	Light Mahogany	■	■	■	■
NW19	Dark Mahogany	■	■	■	■
NW22	Slate Wood	■	■	■	■
NW23	Nordic Black	■	■	■	■
NW24	Greyed Cedar	■	■	■	■
NW25	Hesbania	■	■	■	■
NW26	Core Ash	■	■	■	■
NW27	Denver Oak	■	■	■	■
NW28	Halmstad	■	■	■	■
NW29	Woodstone	■	■	■	■
NW30	Tropical Ipe	■	■	■	■
NW31	Western Red Cedar	■	■	■	■

TRESPA® METEON® WOOD DECORS PANELS FEATURE A DIRECTIONAL COLOURED SURFACE. THE GRAIN OF TRESPA® METEON® WOOD DECORS RUNS THE LENGTH DIRECTION OF THE PANEL.

TYPES

- SINGLE SIDED DECORATIVE** DECORATIVE SIDE WITH NON DECORATIVE BLACK REVERSE
- DOUBLE SIDED DECORATIVE** SAME COLOUR FOR FRONT AND REVERSE SIDE OF THE PANEL
- VARITOP** DECORATIVE SIDE WITH STANDARD WHITE DECORATIVE SATIN REVERSE (A03.0.0)
- DUOCOLOUR** DIFFERENT COLOUR FOR FRONT AND REVERSE SIDE OF THE PANEL

SIZES



- 1** 2550 x 1860 mm (100 x 73 inch)
- 2** 3050 x 1530 mm (120 x 60 inch)
- 3** 3650 x 1860 mm (143 x 73 inch)
- 4** 4270 x 2130 mm (168 x 83 inch)*

* THE LARGE SIZE OF THIS PANEL ALLOWS AN EFFICIENT MACHINING OF THE PRODUCT.

THICKNESSES

- 6 mm (1/4 inch)
- 8 mm (5/16 inch)
- 10 mm (3/8 inch)
- 13 mm (1/2 inch)

NOTE

PLEASE BE AWARE THAT NOT ALL PRODUCT-FINISH COMBINATIONS ARE POSSIBLE. FOR AVAILABLE SHEET SIZES, THICKNESSES AND FINISHES IN YOUR COUNTRY, PLEASE CHECK **TRESPA.INFO** FOR THE DETAILED AND UP TO DATE DELIVERY PROGRAMME AND MATERIAL PROPERTY DATASHEET. ALTERNATIVELY YOU CAN USE THE PRODUCT SELECTOR ON **TRESPA.COM** (AFTER CHOOSING THE COUNTRY WHERE THE PROJECT IS LOCATED).

MODERN TEXTURED COLOR CHART

From brick and wood to stone, slate, metal, and bamboo, our faux wall panels deliver the natural beauty of authentic materials without the weight, cost, or complexity. Each collection is designed to be lightweight, durable, and easy to install – perfect for both DIY enthusiasts and professional projects, indoors or out. Whether you’re transforming a retail space, building a backyard tiki bar, or remodeling a room, our versatile panel lines offer an affordable, low-maintenance way to bring texture and character to any space.

BRICK

FAUX ANTIQUE BRICK



FAUX CONTEMPORARY



FAUX HISTORIC BRICK



FAUX LINCOLN BRICK



FAUX MODERN BRICK



FAUX RUSTIC BRICK



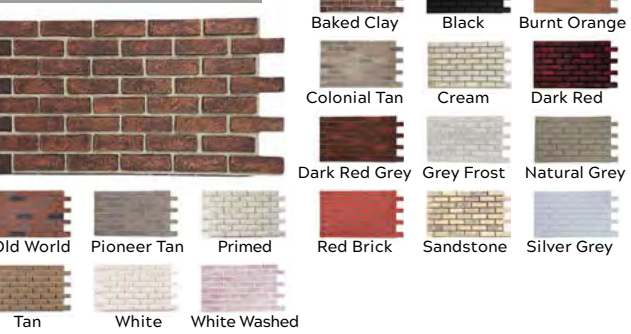
FAUX SMOOTH BRICK



FAUX TRI-STATE BRICK



FAUX TUMBLED BRICK



FAUX WORN BRICK



CONCRETE

ASPHALT PANELS



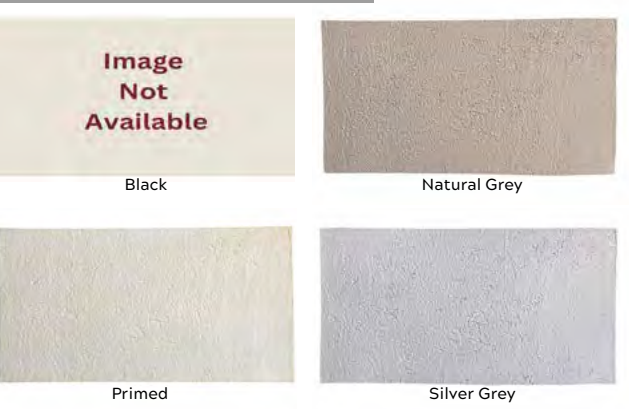
BEACH SAND FAUX WALL



CINDER BLOCK FAUX WALL



CONCRETE ROUGH FAUX WALL



CONCRETE (CONT.)

CONCRETE SMOOTH FAUX WALL



STONE

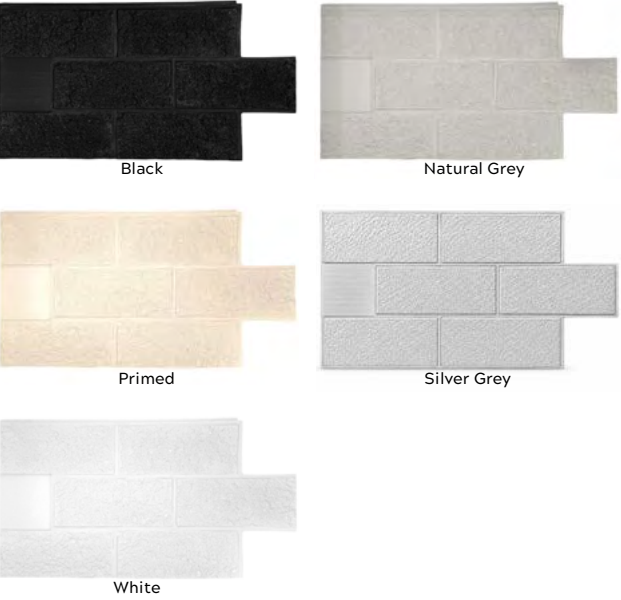
ASPHALT PANELS



FAUX CAROLINA STONE



SPLIT FACE BLOCK FAUX WALL



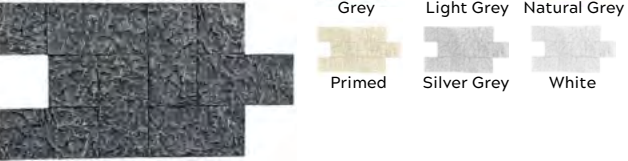
FAUX APPALACHIAN STONE



FAUX CARVED STONE



FAUX CASTLE STONE



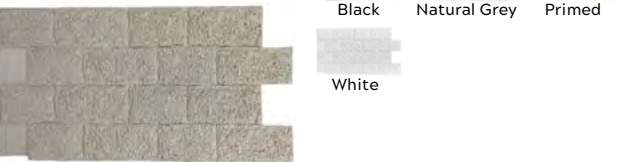
FAUX CLIFF STONE



FAUX CUT GRANITE



FAUX GARDEN STONE



FAUX LEDGESTONE



FAUX CINDER BLOCK



FAUX CORAL BLOCK



FAUX FIELDSTONE



FAUX HAND CUT BLOCK



FAUX QUARRY STONE



CONCRETE (CONT.)

FAUX RANDOM ROCK



FAUX STACKED STONE



STONE CONTEMPORARY



FIT FAUX STONEWALL



FAUX DRY STACKED



FAUX STONEWALL



LARGE FAUX RIVERSTONE



GIANT FAUX RIVER ROCK

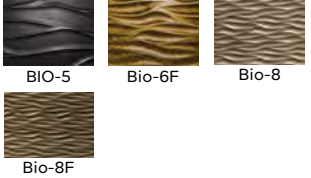


LARGE FAUX RIVERSTONE



ART DIFFUSION

BIO



COU



SMALL FAUX RIVERSTONE



FAUX SPLIT FACE BLOCK



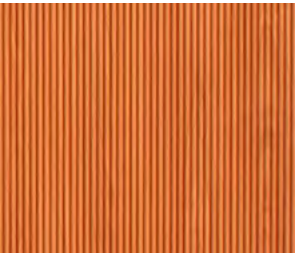
STANDARD BEACH SAND



STANDARD FAUX NATURAL



BEED



SOU

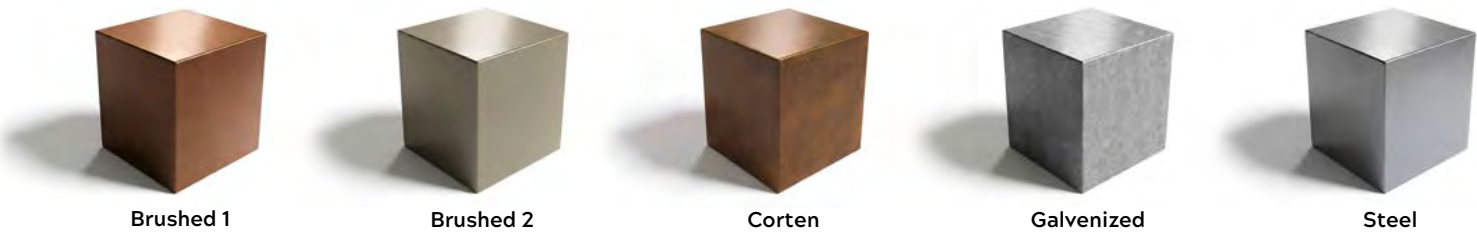


SUBLIMATION FINISHES

At first glance, it seems almost impossible: a panel that looks exactly like natural wood grain, weathered stone, or rustic corten steel, yet performs like industrial-grade aluminum built to withstand decades outdoors. The secret isn't paint, and it isn't a printed sticker or laminate that will eventually peel, fade, or bubble in the sun. It's a specialized manufacturing process called sublimation over powder coat, a technique that fuses photorealistic pattern with real, lasting protection at a molecular level.

Rather than applying a finish on top of the panel, this process infuses the pattern directly into the coating itself. The result is a surface that carries the authentic texture and color of natural materials while retaining the strength, weather resistance, and longevity that only powder-coated aluminum can offer. Below, we show the finish options and break down exactly how it's done, from raw aluminum prep to the final infused finish.

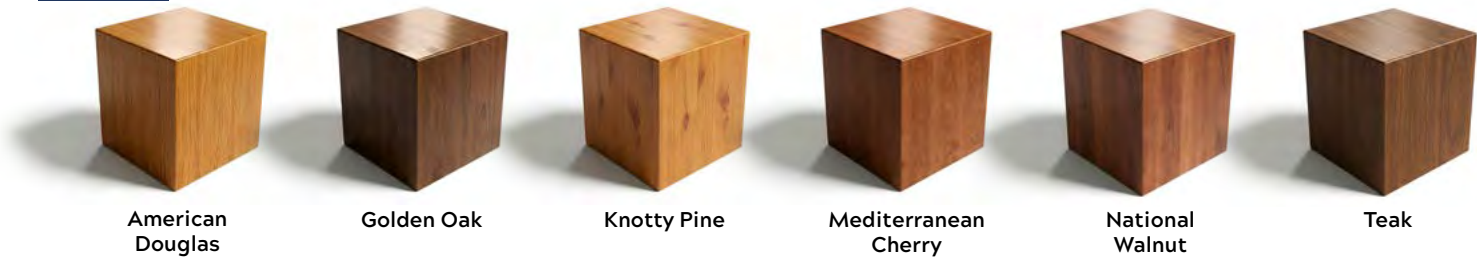
METAL



STONE



WOOD



How Do We Create Such Beautiful and Durable Finishes?

The Process

Sublimation over powder coat process. Used for woodgrain, metal or stone finishes on our panels.

Here's how we do it:

Aluminum Surface Prep

The raw aluminum is cleaned and prepped:

- Degreasing (remove oils, contaminants)
- Chemical etching or conversion coating (improves adhesion and corrosion resistance)

Base Powder Coating (This step is critical for long-term outdoor durability)

A powder coat layer is applied and cured:

- Typically a light base color (beige, tan, gray) depending on the final pattern
- Electrostatic powder application
- Oven cure (usually ~350-400°F)

Printed Transfer Film Preparation

(This base coat becomes the layer that will accept the sublimation pattern.)

Using a special printed film

- The wood/stone/metal pattern is printed with sublimation ink onto a heat-stable plastic film
- Patterns are engineered to:
 - Repeat seamlessly
 - Align across panels if needed

Wrapping the Panel

Now the panel is physically wrapped:

- The printed film is placed around the aluminum panel (pattern facing inward)
- Edges are taped or sealed
- The panel + film assembly is inserted into a vacuum bag (or membrane system)

Vacuum Sealing

- Air is evacuated from the bag
- Atmospheric pressure force the film tightly against every surface

This ensures:

- No air gaps
- Sharp pattern transfer
- Full contact even on textured or extruded shapes

Heat Transfer (Sublimation Phase)

- The sealed assembly goes into an oven
- Heat activates the ink (typically ~350–400°F again)
- The ink sublimates (solid → gas) and penetrates the softened powder coat

The pattern is not sitting on top—it’s infused into the coating layer.

Cooling & Film Removal

- After a set dwell time, the part is removed and cooled
- The vacuum is released
- The film is peeled off and discarded

What remains is:

- A fully transferred pattern embedded in the coating
- No physical film or layer left behind

Final Result

You now have:

- A powder-coated aluminum panel with a permanently infused pattern
- Appearance: wood, stone, corten steel, brushed metal, etc.
- Properties:
 - UV resistant
 - Weather resistant
 - Strong adhesion (won’t peel like laminates)
 - Good scratch resistance (limited by powder coat hardness)

Why This Process Is So Effective

- Combines powder coat durability with photorealistic patterns
- Vacuum ensures perfect contact, especially for:
 - Grooved panels
 - Extrusions
 - Complex fence profiles



COLORS



300 East Locust Street, Carter Lake, IA 51510

531-329-4406 • info@palmshielddlouvers.com