

ES Architectural Cladding Systems

HPL PANELS

Innovative Surfaces. Enduring Performance.



Elevate your architectural vision with our advanced High-Pressure Laminate (HPL) panel systems—where performance meets aesthetics. Engineered to withstand demanding environmental conditions while delivering striking visual appeal, our HPL panels offer a durable, low-maintenance solution for modern interior and exterior facade applications.

CLADDING SYSTEMS

EXPOSED FASTENER SYSTEM

Designed for ease of installation, HPL panels are mechanically fixed to a supporting substructure using color-matched or stainless-steel fasteners that remain visible, creating a subtle design detail. This system is ideal for projects requiring robust weather resistance, ventilation, and straightforward maintenance without compromising on aesthetic appeal. Suitable for both new construction and retrofit applications.



CONCEALED FASTENER SYSTEM

A ventilated façade solution that allows high-pressure laminate panels to be mounted using a horizontal subframe with panel hangers. This system enables fast, efficient installation and easy panel replacement while maintaining a clean, uniform appearance. Ideal for large-scale projects, it ensures structural stability, effective ventilation, and long-term performance with minimal maintenance.



CHEMICAL JOINT SYSTEM

This system utilizes specialized structural adhesives to bond panels to a concealed subframe, eliminating the need for mechanical fasteners. This method provides a seamless, modern facade appearance with enhanced design flexibility. Ideal for projects prioritizing clean lines and uninterrupted surfaces, the system offers strong adhesion, weather resistance, and long-term durability, making it suitable for both exterior and interior cladding applications.



SIDING SYSTEM

A system that offers a sleek, uninterrupted facade appearance by securely mounting HPL planks without visible fixings. This system uses mechanical clips hidden behind the panels, ensuring a clean and modern aesthetic. Ideal for high-end architectural projects, it combines visual elegance with durability, and excellent ventilation performance. Perfect for applications where design precision and refined finishes are essential.



Note: These systems are designed to withstand wind loads of up to 120psf (LRFD) under standard Florida conditions (Ultimate Wind Speeds of 175 mph). If higher specifications are required, additional structural analysis should be conducted.

APPLICATIONS

WALLS

HPL is one of the best options for both residential and commercial buildings façades, and ventilated rainscreen systems. Its flexible alignment and modulation options make it suitable for both traditional and avant-garde architecture.



SOFFIT

Phenolic panels are increasingly used for soffit applications in both residential and commercial architecture due to their durability, design versatility, and ability to withstand outdoor conditions.



DIVIDERS & RAILINGS

Used as an infill material in railing systems or as full-height partitions, HPL provides privacy and safety while enhancing aesthetics. That can also be cut, perforated, or engraved for branding, airflow, or artistic detailing.



Manufactured under high pressure and temperature, these panels are composed of multiple layers of kraft paper impregnated with thermosetting resins, resulting in an exceptionally durable and impact-resistant surface.



MAIN FEATURES

ENVIRONMENTALLY FRIENDLY
Composed by 70% of renewable sources.

UV RESISTANT
Protection against U.V. discoloration, assuring color stability over time.

ANTI GRAFFITI*
Allowing paint removal.

ANTI- INSECTS
It does not suffer any kind of insect attack. Inert material preventing fungal growth.

THERMAL
It acts independently as thermal insulation.

IMPACT RESISTANT
Due to its high impact resistance, it can be exposed to high traffic areas, such as sports areas.

HIGH CLEANABILITY
The top or bottom edges can be angle-milled, allowing water to flow towards the back.

ACOUSTIC
It acts independently as acoustic insulation.

MULTIFORMAT
Multiple sizes and thicknesses for easy modulation and installation.

FIRE RESISTANCE
Complying with NFPA 285 standard.

CARBON NEUTRAL
HPL PANEL is produced under a system that measures, controls and balances emissions. We compensate our footprint and favor the environment.

SELF-SUPPORTING
Even with large perforated areas in their design.

WARRANTY
10-year warranty for all references.

FLOATING SYSTEM
Floating point fixing, allowing greater movement of the panels.

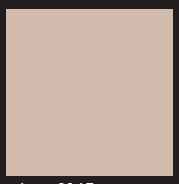
SIZES	THICKNESSES
4x8 ft (1,22 x 2,44 m)	0,16" / 0,24" / 0,31" / 0,39" / 0,47"
4x10 ft (1,22 x 3,06 m) 5x12 ft (1,53 x 3,66 m)	4 / 6 / 8 / 10 / 12 mm

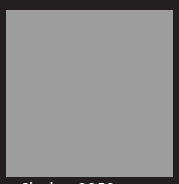
* Check our technical datasheet for more info.

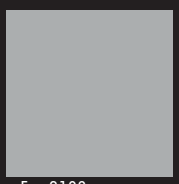


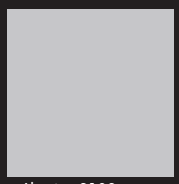
SOLIDS

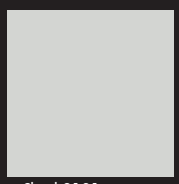

● Taupe 2165

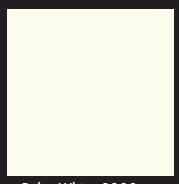

● Latte 2167

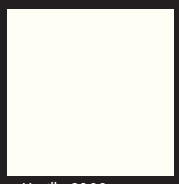

○ Shadow 2259


● Fog 2108


● Alumina 2103

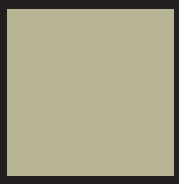

● Cloud 2191


● Polar White 2111


● Vanilla 2109

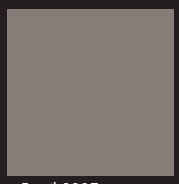


● Ivory 2324

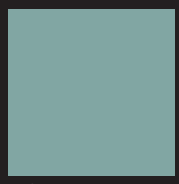

○ Herbal 2274



● Bonsai 2325


● Fossil 2297


● Dark Steel 2315

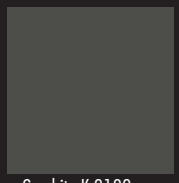

○ Bleen 2224


○ Forest 2252


● Turquesa 2176

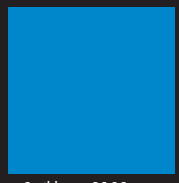

○ Petroleo 2237


○ Teal 2321


● Graphite K 2192


○ Pacific Blue 2170


● Prism Blue 0888

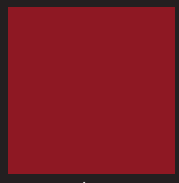

○ Caribbean 2182

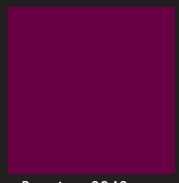

○ Mediterranean 2180

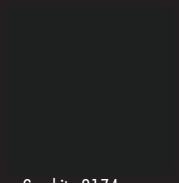

○ Sky 2320

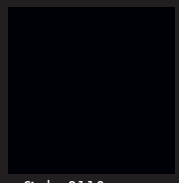

○ Brick 2268


● Burgundy 2158


○ Prism Red 2135

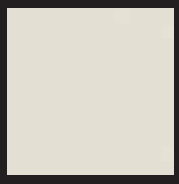

○ Berenjena 2243


○ Graphite 2174

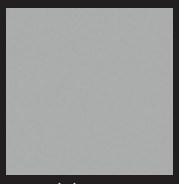

● Cinder 2110

METALLIZED & PEARLESCENTS

The color of the laminate varies according to the pattern and design used. Please ask for a real sample before you make a decision.


○ Snowflake 2503


● Metalized 2047


● Moonlight 2501


○ Dune 2502

OXIDES, CONCRETES & GRANITES



○ Atenas 3176


○ Urban Concrete 3124



○ Alicante 3178



○ Positano 3177


● Industrial Concrete 3127


● Grey Slate 3156

○ Corten Metallic 3179

○ Mineral Steel 3166

● Tunisia 3184

● Roma 3183

SIZES

○ Color/Pattern available in:
4 x 8 ft (1,22 x 2,44 m)
4 x 10 ft (1,22 x 3,06 m)

● Color / Pattern available in:
4 x 8 ft (1,22 x 2,44 m)
4 x 10 ft (1,22 x 3,06 m)
5x12 ft (1,53 x 3,66 m)

Printed samples are not representative for real size or color of the final product. Please request actual samples for specification purposes.

WOODGRAINS


○ Sea White 1502


○ Natural Elm 1499



○ Sahara 1565

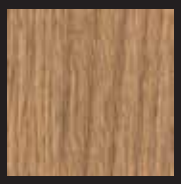

○ Rovere Fiumo 1462

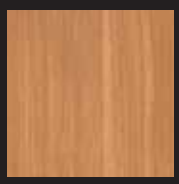

○ Century Oak 1554

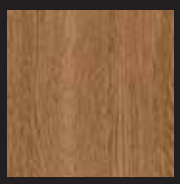


○ Toscana 1566


○ Light Alpi 1799

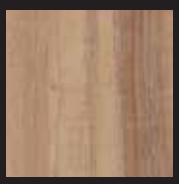

○ Ontario Oak 1540

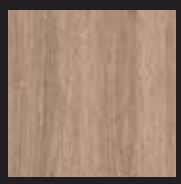

○ Ash 0470


○ Natural Oak 1802


• Provence Teak Cappuccino 1526

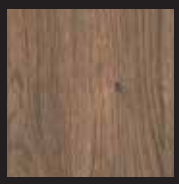

○ Organic Maple 1511


○ Noce Naturale 1534

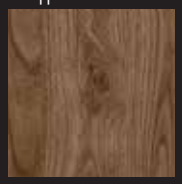

○ Avalon Oak 1558


○ Cypress Cinnamon 1490


• Countryside Oak 1533


○ Cincel Oak 1508


• Olive Elm 1503

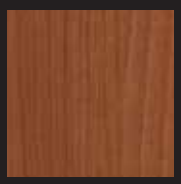

• Spiced Chestnut 1517


○ Lucca 1567


• Grey Oak 1829

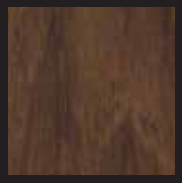

○ Grey Cedar 1465

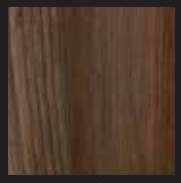

○ Brown Oak 1836


○ Noce Canella 1561

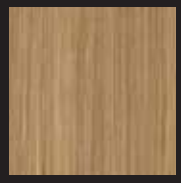

○ Pear 1750

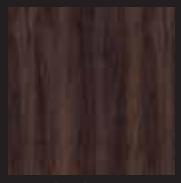

○ Noce Havana 1555

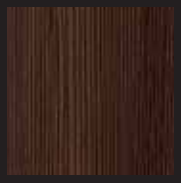

○ Dark Teak 1800


○ Vintage Teak 1516


• Italian Walnut 1513


• Cairo 1575


○ Royal Walnut 1536


• Larice Espresso 1492


• Palermo 1578

DIGITAL PRINT

It allows for **customized** designs and patterns to be applied to the panels.



FINISHES

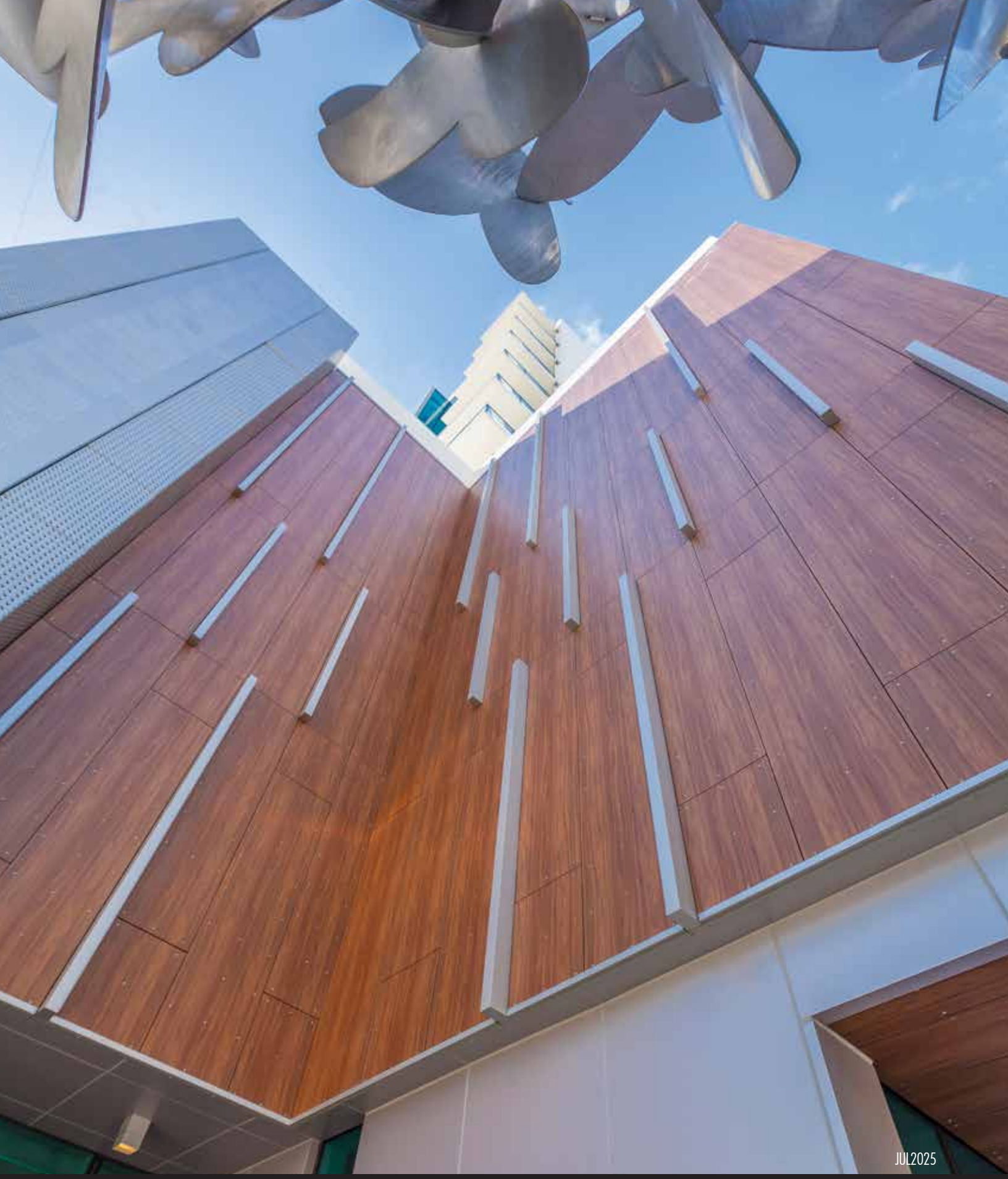

GLOSS


MATTE


SUPER MATTE

The finishes offered result from a high technology combination between inks and UV filters, which guarantee a highly stable appearance for many years.

NOTE: For more HPL PANEL information, contact us at contact@es-metals.com or www.es-metals.com



JUL2025