

Compact Laminate Boards (CPL)



Unparalleled Strength & Versatility



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Building Interiors
Outdoors System

Product Overview & Key Attributes

Freestanding, Self-Supporting, and Engineered for Resilience

Compact laminate is a truly versatile and self-supporting panel material that redefines durability. Its exceptional strength and density eliminate the need for a substrate, making it ideal for a vast range of demanding applications.

Standard Specifications:

Thickness: Typically 2mm to 25mm.

Sizes: Large format sheets up to 1830x3660mm.

Key Attributes:

Self-Supporting: Does not require a substrate for stability.

Extreme Durability: Highly resistant to wear and tear.

Waterproof & Hygienic: Non-porous surface prevents water absorption and is easy to clean, making it ideal for wet areas.

Impact Resistant & Fire Retardant: Engineered to withstand physical impacts and meet stringent fire safety standards.

Scratch Resistant: The dense surface offers excellent resistance to scratching.

Design Options:

The same extensive range of designs and textures available for our HPL collection are also offered in our compact laminate, providing unparalleled design continuity across different applications.

Technical Specifications & Performance

Technical Excellence for High-Performance Applications

Our Compact Laminate Boards are rigorously tested to ensure they provide superior performance where it matters most.

| Technical Property | Standard (e.g., EN 438) | Performance |
|----------------------|---------------------------------|--|
| Structural Stability | EN 438-2, Test 13 | High density and a self-supporting nature provide exceptional structural integrity. |
| Moisture Absorption | EN 438-2, Test 17 | Minimal moisture absorption due to its non-porous core, making it truly waterproof. |
| Fire Performance | Euroclass B-s1, d0 | Certified to meet various fire safety classifications. |
| Chemical Resistance | EN 438-2, Test 11 | Excellent resistance to a wide range of corrosive chemicals. |
| UV Resistance | ISO 4892-2 (for exterior grade) | Specific grades are engineered for superior UV stability, making them suitable for exterior use. |

Installation Guide

Best Practices

Handling & Storage: Store panels horizontally on a flat surface. Handle with care to prevent edge damage, as edges are typically sharp.

Cutting & Machining: Use high-quality carbide-tipped saw blades with a high tooth count to minimize chipping. Pre-drill pilot holes for all fasteners to prevent cracking or splintering.

Fastening: Use corrosion-resistant hardware and fasteners, especially for applications in wet or exterior environments. Allow for thermal expansion, particularly in exterior applications where temperature fluctuations are a factor.

Expansion Gaps: Ensure adequate expansion gaps around the perimeter and between panels to allow for natural movement.

Safety: Always wear personal protective equipment (PPE), including safety glasses and dust masks, as cutting can produce a fine dust.

Key Applications

Washroom Cubicles & Lockers:

Waterproof and hygienic.



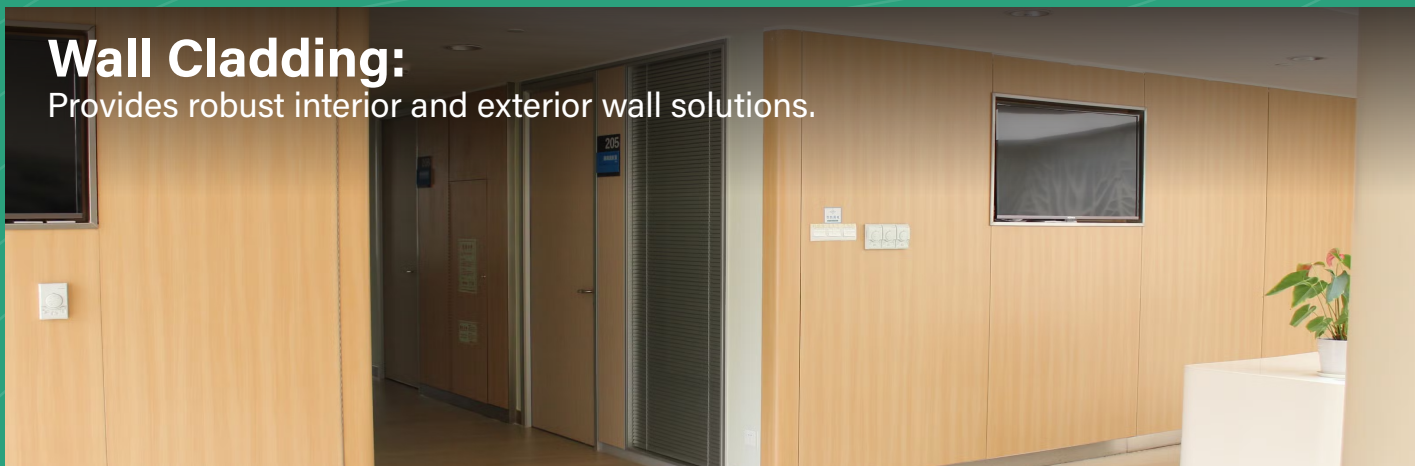
Table Tops & Worksurfaces:

Extremely durable for high-traffic areas.



Wall Cladding:

Provides robust interior and exterior wall solutions.



Laboratory Furniture:

Resists chemicals and wear.



Care & Maintenance

Maintaining Durability: A Guide to Care

The non-porous and highly durable nature of our compact laminate makes it exceptionally easy to clean and maintain.

General Cleaning: Wipe with a soft, clean cloth and a mild detergent. Although highly water-resistant, it is still best to dry the surface after cleaning to maintain its pristine look.

Stain & Graffiti Removal: The non-porous surface is highly resistant to stains. Most can be removed with common household cleaners. For graffiti, some solvents like denatured alcohol or specific graffiti removers may be used, but always test on an inconspicuous area first and rinse immediately. Warning: Avoid strong acids and alkalis, as they can potentially damage the surface.

Protection: While extremely durable, a cutting board is still recommended to prevent dulling of the surface. Avoid dragging sharp or heavy objects across the surface to prevent scratches.



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