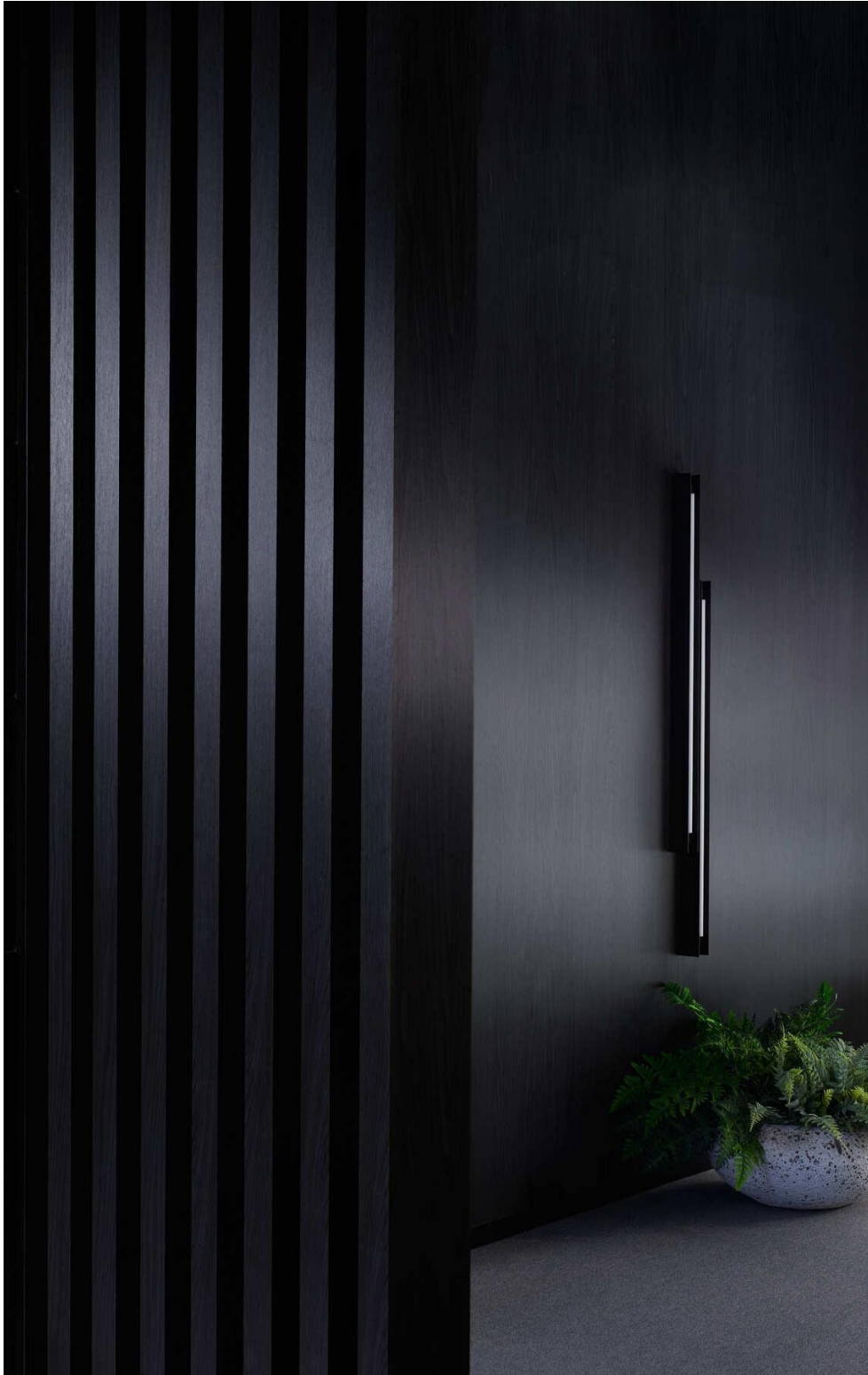


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Sustainably Designed Aluminium

Executive Summary

As the construction industry faces growing environmental scrutiny, architects play a pivotal role in reducing the carbon impact of the built environment. Covet's aluminum systems, finished in Ever Art Wood® by its Japanese manufacturing partner, offer a high-performance and design-flexible alternative that supports credible sustainability outcomes. Engineered for durability, low maintenance, and long-term material stability, these systems align with contemporary demands for reduced embodied carbon, improved lifecycle performance, and responsible material specification. This white paper outlines the environmental advantages of Covet's aluminium products, supported by a responsible supply chain and certified lifecycle data. It empowers architects to make informed, environmentally conscious decisions with confidence.

The Architect's Role in Sustainability

Architects are gatekeepers of material choice. With each specification, they influence the carbon footprint, durability, and future recyclability of a building. In an era where lifecycle analysis and emissions data are integral to certification systems like Green Star, LEED, and BREEAM, selecting materials with verified environmental credentials is no longer optional. It is a professional and ethical responsibility.

Covet acknowledges this responsibility and provides products that align with both environmental goals and architectural vision.

Covet Aluminium Systems: A Smarter Choice

Covet's architectural aluminium systems are predominantly used in facade cladding, soffit linings, ceiling and wall linings, and screening systems. Key benefits include:

- **Non-combustible and durable:** Fire-safe and built for longevity
- **Lightweight:** Reduces structural load and transport emissions
- **Finish variety:** Timber and metal-look finishes, as well as custom options with no batch variation for both exterior and interior applications
- **Cut-to-length:** Precision manufacturing eliminates site waste
- **100% recyclable:** Aluminium retains its properties indefinitely

Sustainability Advantages of Ever Art Wood®

- **No trees removed:** Replaces exotic hardwoods without contributing to deforestation
- **No chemical treatments required:** Eliminates the use of timber primers, stains, strippers, or insecticides and mould inhibitors needed for ongoing maintenance.
- **Long life:** Aluminium core prevents warping or decay
- **Efficient transport:** More product per container compared to timber
- **Minimal manufacturing waste:** Unlike milling timber; aluminium is extruded to exacting dimensions with minimal aluminium waste.
- **Minimal on-site waste:** Covet supplies project-specific, precisioncut aluminium rather than standard or full lengths. This minimises offcuts, reducing landfill, and ensuring efficient installation.

Supply Chain Integrity: Japanese Aluminum Supplier and Japanese extruder

The Japanese aluminum supplier that manufactures the Covet Ever Art Wood® range, embraces a philosophy of “coexistence with the environment” and holds ISO and CE certifications.

- Carbon neutral target by 2050
- TCFD-aligned climate strategy (The Task Force on Climate-related Financial Disclosures, or TCFD, is an international framework that guides companies in disclosing climate-related financial risks and opportunities. This enables investors, architects, and stakeholders to make informed decisions based on a company’s climate governance, strategy, risk management, and metrics)
- Sustainability Committee governance
- Contributor to CASBEE and Eco-First certifications (CASBEE is Japan’s Comprehensive Assessment System for Built Environment Efficiency, which evaluates buildings for energy efficiency, resource use, and occupant comfort)
- Scope 1 and 2 emissions: 1,104.76 t-CO₂ (FY2023, market-based method), representing the direct and indirect greenhouse gas emissions from the Japanese aluminum supplier’s primary operations. This includes fuel combustion (Scope 1) and purchased electricity (Scope 2). These figures are calculated using the market-based approach, which reflects actual supplier emissions data, offering a more

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accurate representation of carbon impact within the energy supply chain.

- The Japanese aluminum supplier is also committed to waste minimisation beyond manufacturing. To extend material utilisation, offcuts from production are repurposed as architectural samples, reducing the need for new material production when presenting to architects and designers. Material that cannot be repurposed is returned for aluminium recycling.

The Japanese extruder and aluminum supplier further reinforce Covet's environmental credibility through measurable and transparent sustainability actions.

The company is actively decarbonising its production footprint through on-site solar, hydro, and wind installations totalling nearly 10,000 kW globally, reaching 15,300 kW by 2024, reducing approximately 7,900 t CO2 emissions annually.

Per the company's estimates, this is roughly equivalent to powering around 3,000 average homes per day and offsetting over 7,000 tonnes of CO2 per year. Approved by SBTi, Japanese extruder targets a 50% reduction in Scope 1 & 2 emissions by 2030, moving toward carbon-neutral operations by 2050.

The commitment to renewable energy and recycling leadership is demonstrated through:

- 100% in-house aluminium scrap recycling
- 30–50% recycled aluminium input (targeting 100% by 2030)
- ISO 14001 certified across global plants
- EPDs across seven aluminium façade categories, including coverage for aluminium profiles produced at the Japanese extruder's Tokushima plant in Japan under the SuMPO program, ensuring full lifecycle transparency regardless of manufacturing location
- Up to 50% reduction in billet carbon emissions

Certified Performance & Lifecycle Transparency

Covet aluminium systems benefit from:

- Third-party Environmental Product Declarations (EPDs): Independently verified data on the environmental impact across a product's lifecycle, from raw material extraction and processing, manufacture, use, and end-of-life recycling and/or disposal. While Covet does not currently hold a standalone

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EPD, our key input suppliers including the Japanese aluminium extruder, maintain certified EPDs that support the traceability and environmental accountability of the raw materials used in the Covet Ever Art Wood® and Ever Art®. Architects can reference these verified documents when specifying Covet systems. These documents meet compliance requirements and enable specifiers to specify confidently and make informed material choices based on quantifiable environmental performance.

- Alignment with ISO 14001 and CASBEE criteria (Japan's system for assessing environmental performance of buildings)
- Support for Green Star, LEED, and BREEAM ratings: The Japanese extruder's ISO 14001-certified operations and EPD-backed aluminium profiles contribute to credits such as Sustainable Products, Responsible Finishes, and Life Cycle Impacts under Green Star.

'Life Cycle Impacts' under Green Star. These profiles also support LEED and BREEAM through low embodied carbon, certified manufacturing practices, and material traceability.

Decorative Film Sustainability: Enhancing Aesthetics Responsibly

The timber-look finishes of Ever Art Wood® and other material finishes of the Ever Art® range are achieved using high-performance specialty films developed in partnership with leading Japanese suppliers.

Covet's commitment to sustainability in surface finishes for aluminium systems is upheld through a partner selection process that ensures supplier environmental practices and values align with Covet's standards of accountability and transparency.

Our Specialty Film Partners – Leaders in Low-VOC and Recycling Innovation:

- ISO 14001 certified for environmental management
- Many employ VOC-reducing and solvent recovery systems in manufacturing
- Focus on resource efficiency and recycling, including closed-loop processes
- Long-lasting surface films reduce the need for refinishing or replacement

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- Active pursuit of net-zero emissions by 2050, with significant interim goals such as reductions in Scope 1 and 2 emissions by 2030
- Environmental governance aligned with global sustainability frameworks and disclosure standards

Architectural Relevance:

These specialty films contribute to decorative surfaces that:

- Eliminate the need for timber staining, sealing, or refinishing
- Reduce embodied carbon compared to traditional hardwood finishes
- Support Green Star, LEED, and BREEAM criteria for low-emission, recyclable materials

Their durability and long-lasting nature ensures that not only the aluminium core, but also the aesthetic surface layer, aligns with the broader sustainability goals in architectural design.

Third-party Environmental Product Declarations (EPDs):

Independently verified documents provide transparent, comparable data on the environmental impact of a product across its full lifecycle—from raw material extraction and processing through to manufacture, use, and end-of-life disposal. EPDs help architects meet compliance requirements and make informed material choices based on quantifiable environmental performance.

Alignment with ISO 14001 and CASBEE criteria (Japan's system for assessing environmental performance of buildings)

Support for Green Star, LEED, and BREEAM ratings: Specialty film suppliers with low-VOC composition and ISO 14001-certified production practices support Indoor Environmental Quality and Materials credits under LEED and align with Responsible Product criteria under Green Star. Their durability contributes to sustainable specification and reduces lifecycle environmental impacts.

These credentials provide architects with the transparent data needed for ethical specification and regulatory compliance.

Covet's Role in Environmental Responsibility

While Covet is not the primary manufacturer, we serve as the conduit through which environmentally responsible products reach the architecture and design community. By sourcing from Japan's leading aluminium and film producers, companies that meet the highest standards in transparency, recyclability, and emissions reduction, Covet ensures that every product we bring to market contributes meaningfully to a more sustainable built environment.

Designing with Purpose

Architects have the power to define the environmental legacy of the buildings they design. By choosing Covet aluminium systems, they are not only selecting a durable, beautiful, and versatile material—they are making a statement about the future of sustainable architecture.

Covet, together with their Japanese aluminium supplier, ensures that this choice is backed by verifiable, meaningful action at every stage of the supply chain. Covet continues to work with its partners to improve transparency, reduce emissions, and evolve product data to meet the growing sustainability standards of the global design community.

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