



ECO TRAIL PRODUCT PREVIEW

BIG 5 Construct
Saudi

Pioneering sustainable solutions
for the future of construction



ECO TRAIL PRODUCTS AND SOLUTIONS



55HX® Anodised Aluminium

55HX® anodised aluminium is a UV- and corrosion-resistant material for façades, roofing, and sun screening. It is lightweight, durable, and 100% recyclable without losing its properties. Made with 75% recycled aluminium, it has a low carbon footprint of no more than 5 kgCO₂e/kg. Certified with a third-party verified Environmental Product Declaration (EPD), it also meets ASI standards for responsible sourcing. Aluminium Duffel is ECOVADIS gold-rated and follows ISO-certified environmental and safety management systems.



STAND NUMBER:
2C150

FR - A2 Aluminium Composite Panel

The FR - A2 Aluminium Composite Panel is a fire-retardant, eco-friendly solution for building façades. Its non-toxic core, made from aluminium hydroxide and magnesium hydroxide, contains no plastic and minimizes smoke production. The PVDF coating enhances weather and rust resistance, reducing maintenance and extending the building's lifespan. Certified for environmental compliance, it supports sustainable construction by improving fire safety and durability.



STAND NUMBER:
2C141



Mattex Artificial Grass

Mattex Artificial Grass is a sustainable alternative to natural grass, reducing water consumption, eliminating the need for fertilizers and pesticides, and lowering maintenance emissions. Its durable design ensures long-lasting performance, making it ideal for landscaping and sports infrastructure. Certified with ENMS 500001, Local Content, FIFA Quality Pro for yarn, SASO, and ISO standards, it supports eco-friendly development.



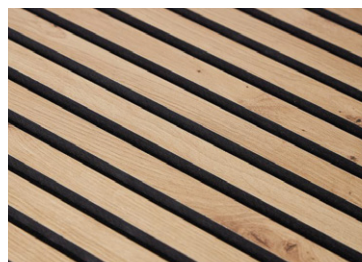
STAND NUMBER:
4D81

Panelate Soft

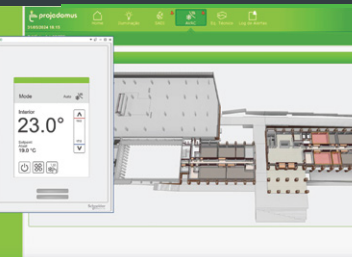
Panelate Soft is a sustainable wall panel solution made from PEFC-certified timber slats and a backing panel of recycled polyester sheets sourced from reclaimed plastic bottles. By using responsibly managed wood and repurposed materials, it supports sustainable forestry and circular economy practices, reducing environmental impact.



STAND NUMBER:
4B21



ECO TRAIL PRODUCTS AND SOLUTIONS



Projedomus Building Automation

Projedomus Building Automation optimizes climate, lighting, and energy systems to enhance efficiency and reduce environmental impact. Designed for sustainability, these smart systems minimize energy waste while maintaining comfort and well-being. Scalable for various applications, they support smarter, greener building management.



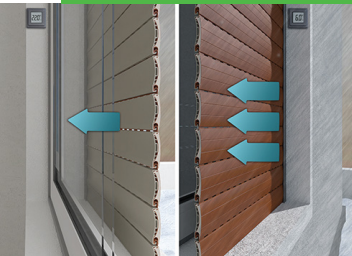
STAND NUMBER:
4A12

Solar-Powered Smart Waste Bins

The Solar-Powered Smart Waste Bin integrates solar panels and IoT technology to enhance waste management. It uses renewable energy to power sensors for monitoring fill levels, fire detection, and location tracking, reducing waste collection trips and emissions. Made from durable, recyclable materials like stainless steel and aluminum, it supports eco-friendly branding with optional graphic wrapping. Designed for urban spaces and smart cities, it optimizes waste collection, cuts environmental impact, and promotes responsible disposal. Certified with ISO 14001, it aligns with environmental management standards.



STAND NUMBER:
4E49



DUERO Roller Shutter

The DUERO Roller Shutter features an aluminium profile with a high-density polyurethane foam core and a self-extinguishing PVC layer. Its innovative design interrupts thermal transmission, preventing heat loss and improving energy efficiency, reducing heating and cooling costs. With slat sizes of 9 x 40 mm and 13 x 55 mm, it offers durability and performance. The product is certified with an Environmental Product Declaration and other technical certifications confirming its energy-saving qualities.



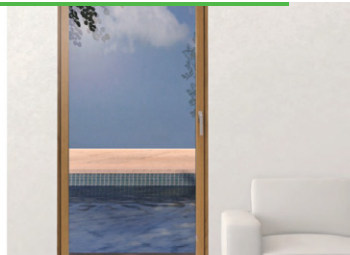
STAND NUMBER:
3F59

Wooden Windows and Doors

Made from FSC- or PEFC-certified wood, these wooden windows and doors ensure responsible sourcing from sustainably managed forests, promoting biodiversity and reducing carbon emissions. Designed for energy efficiency, they provide excellent thermal insulation, contributing to lower energy consumption. Ideal for high-end residential and commercial spaces, these products offer a combination of durability, aesthetic appeal, and environmental responsibility. With recyclable or biodegradable materials and waste-minimizing production processes, they provide an eco-friendly solution. Certified with FSC and PEFC, they meet stringent sustainability standards.



STAND NUMBER:
2F148



AL BPC Sustainable Hybrid Material

AL BPC combines renewable bamboo with Grade A recycled HDPE to create a durable, eco-friendly material that requires no harmful chemical treatments. Its aluminum core enhances strength, ensuring resistance to climate changes and environmental stress. With excellent moisture resistance and weatherproofing, AL BPC maintains its shape in high-humidity conditions without additional treatment or painting, reducing maintenance needs. Made from renewable and recyclable materials, it minimizes environmental impact. Even at the end of its lifecycle, the aluminum remains highly recyclable, reinforcing AL BPC's commitment to sustainability.



STAND NUMBER:
6C88

ECO TRAIL PRODUCTS AND SOLUTIONS



AKEPOX® 5010

AKEPOX® 5010 is a solvent-free, two-component polymer-filler and adhesive designed for invisible joints on natural stone, particularly white or light-colored materials. Suitable for both indoor and outdoor applications, it is ideal for facades, mitre joints, and restoration work when combined with mortar. This product is food-safe, A+ classified for very low emissions, and is certified with an Environmental Product Declaration (EPD)

AKEMI®

STAND NUMBER:
4E18



Solar Powered Lights

These solar-powered street, garden, and pole lights provide a sustainable lighting solution without the need for electricity. Composed of solar panels and batteries, they charge during the day and operate independently at night, making them ideal for outdoor use. Easy to install and maintain, they offer a convenient, energy-efficient alternative to traditional lighting. Certified with CE.

ZOCAI

STAND NUMBER:
6F117

Laminated Safety Glass

SentryGlas® is a durable ionoplast interlayer that enhances the sustainability of glass facades and balustrades. Its high stiffness and heat resistance allow for thinner glass, reducing embodied carbon and the overall environmental impact of building envelopes. With over 25 years of proven performance, it provides long-term structural integrity and safety. Certified with an Environmental Product Declaration (EPD) under ISO 14025 and EN 15804+A2, SentryGlas® supports energy-efficient, low-carbon construction while maintaining exceptional strength and clarity.

kuraray

STAND NUMBER:
4E20



Silicone Coatings & Sealants for Sustainable Building

STAND NUMBER:
MOMENTIVE 4B79

This range of high-performance silicone coatings and sealants enhances building durability and energy efficiency. Enduris 3500 extends roof lifespan, reducing waste from re-roofing. EdgeSii 3763 and UltraGlaze 4650 support double and triple glazing, improving insulation and lowering energy use. Pensil 300 and Elemax 2600 AWB prevent air and water leaks, reducing energy loss while providing fire resistance. These solutions contribute to lower CO₂ emissions and increased safety. Certified with EPDs and California Title 24 compliance, they offer sustainable, long-lasting performance for modern construction.

Expanded Cork

Expanded Cork is a natural, eco-friendly insulation material produced using only cork, water, and biomass—without additives or fossil fuels. Made from renewable cork, it contributes to carbon absorption, with Portugal's cork forests capturing 4.5 million tons of CO₂ annually. Its thermal, sound, and vibration insulation properties enhance comfort while reducing energy consumption. Certified under ISO 14024 BIOSORCÉ 100%, Expanded Cork is a sustainable solution for greener construction.

sofalca

STAND NUMBER:
4A14



ECO TRAIL PRODUCTS AND SOLUTIONS



Viaflex & Limaflex Metal Edging Systems

Made from recyclable aluminum alloy, Viaflex & Limaflex edging systems offer a sustainable alternative to plastic edging, which degrades and releases microplastics. These metal edgings help retain water at the roots, reducing water consumption in landscaping. At the end of their lifecycle, they can be almost 100% recycled, preventing unnecessary waste.



QualityEdging
HIGH STANDARDS IN LANDSCAPE EDGING

STAND NUMBER:
3E94



Quick and Easy Set-up

Chilliwack Sauna

The Chilliwack Sauna is crafted from FSC-certified Western Canadian Hemlock, ensuring sustainability through responsible forestry practices. This premium wood is known for its durability, stability, and smooth, knot-free grain. The Forest Stewardship Council (FSC) certification guarantees environmentally and socially responsible sourcing, protecting biodiversity and supporting long-term forest health. By using 100% FSC-certified hemlock, the sauna meets high sustainability standards while offering a high-quality, long-lasting wellness experience.



STAND NUMBER:
4C11

DECORMIX Mixing Machine

DECORMIX is a high-efficiency mixing machine for sustainable prefabricated plaster production. It optimizes raw material use by integrating additives with gypsum and water, reducing waste and energy consumption. Prefabricated elements produced with DECORMIX offer excellent acoustic insulation, fire resistance, and thermal insulation. Using natural raw materials, the system ensures an eco-friendly, high-quality construction solution.



STAND NUMBER:
4A28



EPS - XPS Waste Melting Machine

This machine provides an efficient, eco-friendly solution for recycling expanded polystyrene (EPS) waste. It melts polystyrene into a compact form, reducing volume by up to 90% for easier handling, storage, and transportation. Designed for high efficiency, it features energy-saving technology, user-friendly operation, and a durable, compact structure—helping industries reduce waste and support sustainable practices.



STAND NUMBER:
3B99

Sustainable Modular Aluminum Profile System

Gulfcrafts proudly presents the Sustainable Modular Aluminum Profile System. This innovative solution is crafted from responsibly sourced, recyclable aluminum, offering longevity and reusability. With its efficient assembly process and smart logistics, it minimizes energy consumption, waste, and transportation emissions, making it the perfect choice for sustainable exhibition designs.



STAND NUMBER:
4D89



EXHIBITORS UNDER NEW SOUTH WALES GOVERNMENT



STAND NUMBER: **1A28**



Weathertex Natural Range

Weathertex Natural panels are a carbon-positive, chemical-free cladding solution made from 97% PEFC-certified Australian hardwood timber and 3% natural wax. Free from added chemicals, silica, and formaldehyde, they offer a durable and eco-friendly finish for both exterior and interior applications. These panels store more carbon than they emit during production, making them ideal for green building projects. Certified by Global GreenTag, PEFC, Responsible Wood, and the Declare Program, they meet high sustainability and health standards. Backed by a 10-year warranty, Weathertex Natural panels provide a stylish, sustainable choice for modern architectural designs.



Enviromesh Fiber Solutions

Enviromesh replaces traditional steel mesh with macro synthetic fibres made from 100% recycled plastic, reducing CO₂ emissions by up to 94%. Used across various construction sectors, these fibres enhance crack control, eliminate corrosion, and speed up construction by up to three times. Supplied in eco-friendly paper bags, they also lower costs, improve site safety, and reduce maintenance needs. Certified with a third-party audited Environmental Product Declaration (EPD) compliant with EN 15804.



PowerStack Vertical Solar Pole Systems

PowerStack's 100% off-grid solar poles provide sustainable power for various applications, including cameras, lighting, communications, and IoT monitoring. These poles help reduce reliance on coal-fired power and promote greener, more connected communities. By enabling energy-efficient deployments, they support safety, security, and connectivity while optimizing resource usage and minimizing waste.



EXHIBITORS UNDER NEW SOUTH WALES GOVERNMENT



STAND NUMBER: **1A28**

Zip Hydrotap

The Zip HydroTap G5 is a highly eco-friendly water dispenser, producing up to 90% fewer carbon emissions than single-use plastic bottles and 33% fewer than a kettle. It uses R290 refrigerant gas, reducing Global Warming Potential by 95%. The air-cooling system makes it 100% water-efficient, and PowerPulse technology maintains consistent temperatures, saving energy. The HydroTap is up to 24% more energy-efficient during high usage and 10% more efficient in standby mode. Zip HydroTap has an independently verified Environmental Product Declaration (EPD) and meets various international sustainability certifications.



Orisent Smart Evacuation and Medical Emergency Alert Systems

Orisent's smart evacuation and medical emergency alert systems focus on sustainability and efficiency. These systems include modular, mobile, and wireless Nurse Call and Evacuation Stations equipped with medical emergency buttons, sirens, and seamless connectivity to a central control panel. They use energy-efficient components and rechargeable batteries, reducing waste and environmental impact. Orisent's commitment to sustainability is evident in their use of wireless technology, recyclable components, and cloud monitoring to reduce emissions. The modular nature and recommissioning services extend the product's life, supporting a circular economy and minimizing waste.



Repurposed Conveyor Belt Solutions

Andromeda Industries specializes in repurposing mining conveyor belts to create durable Blast Mats and Envirobelt products. The Blast Mats, designed to withstand over 50 controlled blasts, serve as both mats and curtains, minimizing waste by repurposing old materials. The Envirobelt offers an eco-friendly solution for site access and erosion control, especially in challenging terrains like sand dunes and construction sites. By repurposing conveyor belts, Andromeda reduces landfill waste to just 0.4% in their factory, supporting sustainability in the construction industry.





Spot this totem to identify
Eco Trail exhibitors
leading sustainability
in construction



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